



INDEX OF PATENTS

RELATING TO

ELECTRICITY,

EMBRACING PATENTS ISSUED BY

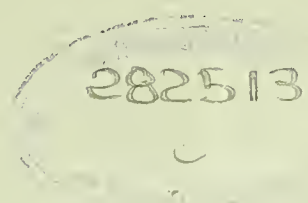
THE UNITED STATES PATENT OFFICE

FROM JULY 1, 1884, TO JUNE 30, 1885.

APPENDIX No. IV.

COMPILED UNDER THE DIRECTION OF THE COMMISSIONER OF PATENTS.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1886.



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ADDENDA.

The following patents were omitted in former indices:

No.	NAME.	CLASS.	DATE.
128,534	Carl, N -----	Conductors, lightning-rods -----	July 2, 1872
250,697	Wheless, M -----	Telegraphy, printing -----	Dec. 13, 1881

NOTE.

The original class of Electricity has been divided into the following nine classes and sub-classes:

- CLASS 171. ELECTRICITY.—GENERATION.
172. ELECTRICITY.—MOTIVE POWER.
173. ELECTRICITY.—CONDUCTORS.
174. ELECTRICITY.—MEDICAL AND SURGICAL.
175. ELECTRICITY.—SPECIAL APPLICATIONS.
176. ELECTRIC LIGHTING.
177. ELECTRIC SIGNALING.
178. TELEGRAPHY.
179. TELEPHONY.

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CLASS 171. ELECTRICITY.—GENERATION:

- SUB-CLASS 6. Batteries, galvanic.
72. Batteries, secondary.
74. Batteries, secondary, applications.
73. Batteries, thermal.
23. Friction generators.
27. Induction-coils.
33. Magneto-electric.
76. Magneto-electric, hand-machines.
40. Regulators.

CLASS 172. ELECTRICITY.—MOTIVE POWER:

- SUB-CLASS 9. Car-brakes.
15. Dental instruments.
75. Locomotion.
36. Motors.
8. Steering and propulsion.
83. Transmission of power.

CLASS 173. ELECTRICITY.—CONDUCTORS:

- SUB-CLASS 13. Conductors.
81. Conductors, anti-inductive.
70. Conductors, underground.
14. Connectors.
28. Insulators.
94. Lead covered.
31. Lightning-rods.
43. Rheostats.
86. Telegraph-poles.

CLASS 174. ELECTRICITY.—MEDICAL AND SURGICAL:

- SUB-CLASS 87. Baths.
88. Body-wear.
89. Electrodes.

CLASS 175. ELECTRICITY.—SPECIAL APPLICATIONS:

- SUB-CLASS 4. Applications, general.
5. Applications, tools and machines.
20. Electrolysis.
21. Electro-magnets.
22. Exploding.
16. Heaters.
92. Igniting devices.
91. Igniting devices, portable.
25. Incrustation.
93. Magnetic locks and bolts.
90. Separators.

CLASS 176. ELECTRIC LIGHTING:

- SUB-CLASS 80. Cut-outs, electro-magnetic.
79. Cut-outs, mechanical.
78. Cut-outs, thermal.
17. Lights, arc.
18. Lights, incandescent.
19. Lights, systems and appliances.
34. Meters.

CLASS 177. ELECTRIC SIGNALING:

- SUB-CLASS 1. Alarms.
2. Alarms, burglar.
3. Annunciators.
7. Bells.
11. Clocks.
26. Indicators.
38. Railway-signals.
39. Recorders.
68. Thermostats.

CLASS 178. TELEGRAPHY:

- SUB-CLASS 46. Automatic.
10. Circuit closers.
45. Circuits and systems.
12. Condensers.
47. Dial.
48. Duplex.
49. Dynamo.
50. Fire.
29. Keys.
30. Lightning-arresters.
35. Morse registers.
51. Multiplex.
52. Perforating.
54. Printing.
55. Quadruplex.
56. Railway-car.
41. Relays and sounders.
42. Repeaters.
69. Transmitters.

CLASS 179. TELEPHONY:

- SUB-CLASS 82. Anti-induction devices.
57. Telephones, calls.
58. Telephones, details.
59. Telephones, electric.
60. Telephones, magnetic.
61. Telephones, mechanical.
62. Telephones, radiophones.
63. Telephones, reed.
77. Telephones, relays and repeaters.
85. Telephones, switch-boards.
71. Telephones, switches.
64. Telephones, systems.

The title of sub-class 45, Telegraphs, not specified, has been changed to Circuits and Systems.

The sub-class Gas Lighting, has been divided into two sub-classes: 1. Igniting Devices, embracing devices attached to fixtures for igniting gas and lamps. 2. Igniting Devices, Portable, embracing detached devices for lighting gas and lamps, adapted to be carried from place to place.

From sub-class 13, Conductors, a new sub-class has been made, viz: Conductors, Lead-Covered, embracing insulated conductors, having an outer covering of lead.

APPENDIX No. IV.

PART I.

CONSISTING OF A

SUB-CLASS INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1884, to June 30, 1885, inclusive, giving names of Inventors,
and dates and numbers of Patents in each sub-class in numerical
and chronological order.

CLASSIFIED INDEX

OF

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1884, TO JUNE 30, 1885.

171. GENERATION.—6. BATTERIES—GALVANIC.

No.	NAME.	DATE.	No.	NAME.	DATE.
303,560	Cleland, T -----	Aug. 12, 1884	311,853	Roberts, I. L -----	Feb. 3, 1885
304,265	Fuller, I. D -----	Aug. 26, 1884	312,339	Dun, A -----	Feb. 17, 1885
304,764	Thiébaud, J. A -----	Sept. 9, 1884	312,340	Dun, A -----	Feb. 17, 1885
304,897	Basset, N -----	Sept. 9, 1884	312,660	Schmauser, T -----	Feb. 24, 1885
305,022	Shaw, W. A -----	Sept. 9, 1884	313,615	Platt, W. S -----	Mar. 10, 1885
305,046	Bryant, T. W -----	Sept. 16, 1884	314,722	Roberts, I. L -----	Mar. 31, 1885
306,684	Green, G. F -----	Oct. 14, 1884	315,937	Haid, A -----	Apr. 14, 1885
306,796	Zobel, J -----	Oct. 21, 1884	315,938	Haid, A -----	Apr. 14, 1885
308,992	Roberts, I. L -----	Dec. 9, 1884	316,436	Bazin, E -----	Apr. 28, 1885
310,004	Weston, E -----	Dec. 30, 1884	316,437	Bazin, E -----	Apr. 28, 1885
310,831	Kidder, W. K -----	Jan. 13, 1885	317,206	Roberts, I. L -----	May 5, 1885
311,516	Orne, C. P -----	Feb. 3, 1885	318,300	Schaefer, H. F. B -----	May 19, 1885
311,630	Young, A. M -----	Feb. 3, 1885	319,923	Myers, M. J -----	June 9, 1885
311,852	Roberts, I. L -----	Feb. 3, 1885	320,547	Flemming, O -----	June 23, 1885

171. GENERATION.—72. BATTERIES—SECONDARY.

301,351	Fitz Gerald, D. G -----	July 1, 1884	311,007	Kalischer, S -----	Jan. 20, 1885
302,623	De Khotinsky, A -----	July 29, 1884	311,008	Kalischer, S -----	Jan. 20, 1885
302,788	Sarney, T. S. and Alprovidge, J. M. -----	July 29, 1884	311,236	Eaton, A. K -----	Jan. 27, 1885
303,237	Skrivanow, G. G -----	Aug. 5, 1884	311,445	Philippart, S. fils -----	Jan. 27, 1885
303,891	Shaw, W. A -----	Aug. 19, 1884	312,599	Swan, J. W -----	Feb. 17, 1885
305,023	Shaw, W. A -----	Sept. 9, 1884	312,802	Bradley, C. S -----	Feb. 24, 1885
305,737	Case, W. E -----	Sept. 30, 1884	313,058	Case, W. E -----	Mar. 3, 1885
306,051	Basset, N -----	Oct. 7, 1884	314,892	Starr, E. T -----	Mar. 31, 1885
306,405	Lachlan, W -----	Oct. 14, 1884	315,339	Reichert, E. T -----	Apr. 7, 1885
307,461	Hickley, A. S -----	Nov. 4, 1884	315,340	Reichert, E. T -----	Apr. 7, 1885
307,462	Hickley, A. S. and Hill, W. S -----	Nov. 4, 1884	316,407	Shaw, W. A -----	Apr. 21, 1885
307,463	Hickley, A. S -----	Nov. 4, 1884	316,408	Shaw, W. A -----	Apr. 21, 1885
307,945	Hogg, W. S -----	Nov. 11, 1884	316,409	Shaw, W. A -----	Apr. 21, 1885
309,293	Case, W. E -----	Dec. 16, 1884	316,533	Fournier, G -----	Apr. 28, 1885
309,838	Faure, C. A -----	Dec. 30, 1884	317,487	Barrier, J. J., Tourville, F. and Legay, J. E. -----	May 12, 1885
309,856	Shaw, W. A -----	Dec. 30, 1884	318,828	Swan, J. W -----	May 26, 1885
309,939	Faure, C. A -----	Dec. 30, 1884	320,232	Du Shane, J -----	June 16, 1885

171. GENERATION.—74. BATTERIES—SECONDARY—APPLICATIONS.

310,724	Rogers, L. H -----	Jan. 13, 1885	313,117	Stanley, W., jr -----	Mar. 3, 1885
312,698	Bauer, A. H -----	Feb. 24, 1885			

171. GENERATION.—73. BATTERIES—THERMAL.

313,215	Lautensack, D -----				Mar. 3, 1885
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171. GENERATION.—23. FRICTION GENERATORS.

No.	NAME.	DATE.	No.	NAME.	DATE.
307,823	Weiss, C. W.-----	Nov. 11, 1884	314,088	Weiss, C. W.-----	Mar. 17, 1885

171. GENERATION.—27. INDUCTION COILS.

305,894	Clarke, C. L.-----	Sept. 30, 1884	314,816	Fisher, F. E.-----	Mar. 31, 1885
307,699	Allen, J.-----	Nov. 4, 1884	316,143	Haerry, P.-----	Apr. 21, 1885
310,733	Shaw, J. H.-----	Jan. 13, 1885	316,354	Gaulard, L. and Gibbs, J. D.-----	Apr. 21, 1885
311,381	Shaw, J. H.-----	Jan. 27, 1885	316,817	Perrin, T. J.-----	Apr. 28, 1885
311,725	Culp, J. D.-----	Feb. 3, 1885	320,717	Stanley, W., jr.-----	June 23, 1885

171. GENERATION.—33. MAGNETO-ELECTRIC.

301,380	Maltby, S.-----	July 1, 1884	308,832	Cutten, E. B.-----	Dec. 2, 1884
301,872	Edwards, E. A.-----	July 15, 1884	308,851	Orton, B. F.-----	Dec. 2, 1884
302,062	Van Choate, S. F.-----	July 15, 1884	309,560	Orton, B. F.-----	Dec. 23, 1884
302,319	Brush, C. F.-----	July 22, 1884	309,735	Orton, B. F.-----	Dec. 23, 1884
302,417	Mathler, R. H.-----	July 22, 1884	310,762	Weston, E.-----	Jan. 13, 1885
302,418	Mather, R. H.-----	July 22, 1884	310,780	Boissier, H. R.-----	Jan. 13, 1885
302,460	Wood, J. J.-----	July 22, 1884	310,782	Boissier, H. R.-----	Jan. 13, 1885
302,554	Freeman, W. K.-----	July 29, 1884	310,876	Brush, C. F.-----	Jan. 20, 1885
302,555	Freeman, W. K.-----	July 29, 1884	311,547	Waterhouse, F. G.-----	Feb. 3, 1885
302,556	Freeman, W. K.-----	July 29, 1884	312,111	Fitch, F. K.-----	Feb. 10, 1885
302,557	Freeman, W. K.-----	July 29, 1884	312,745	Mordey, W. M.-----	Feb. 24, 1885
302,627	Espeut, W. B.-----	July 29, 1884	312,807	Brush, C. F.-----	Feb. 24, 1885
303,744	Olmsted, J.-----	Aug. 19, 1884	313,488	Freeman, W. P.-----	Mar. 10, 1885
304,083	Edison, T. A.-----	Aug. 26, 1884	313,489	Freeman, W. P.-----	Mar. 10, 1885
304,145	Sprague, F. J.-----	Aug. 26, 1884	313,884	Reckenzann, A.-----	Mar. 17, 1885
304,232	Palmer, C. II.-----	Aug. 26, 1884	313,894	Stanley, W., jr.-----	Mar. 17, 1885
304,378	Van Depoele, C. J.-----	Sept. 2, 1884	314,242	Healy, C. L.-----	Mar. 24, 1885
304,382	Waterhouse, A. G.-----	Sept. 2, 1884	315,903	Buckley, W. F.-----	Apr. 14, 1885
304,383	Waterhouse, A. G.-----	Sept. 2, 1884	317,779	Heinrichs, C. F.-----	May 12, 1885
304,384	Waterhouse, A. G.-----	Sept. 2, 1884	318,094	Du Bois, J. S.-----	May 19, 1885
305,635	Schinneller, J.-----	Sept. 23, 1884	318,664	Schuyler, D. A.-----	May 26, 1885
305,943	Markle, J. R.-----	Sept. 30, 1884	318,671	Waterhouse, A. G.-----	May 26, 1885
306,687	Horry, W. S.-----	Oct. 14, 1884	319,540	Woolley, L. G.-----	June 9, 1885
307,261	Benton, C. H.-----	Oct. 28, 1884	319,578	Hamilton, G. A.-----	June 9, 1885
307,292	Goru, H. A.-----	Oct. 28, 1884	320,158	Müller, H. J.-----	June 16, 1885
307,388	Griscom, W. W.-----	Oct. 28, 1884	320,170	Rivera, J. M.-----	June 16, 1885
308,207	Short, S. H.-----	Nov. 18, 1884	320,754	Bowman, A. H.-----	June 23, 1885
308,601	Fitch, F. K.-----	Dec. 2, 1884			

171. GENERATION.—76. MAGNETO-ELECTRIC—HAND-MACHINES.

304,121	Münch, A. J. W.-----	Aug. 26, 1884	307,290	Gilliland, E. T.-----	Oct. 28, 1884
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171.—GENERATION.—40. REGULATORS.

302,963	Thomson, E.-----	Aug. 5, 1884	313,247	Sprague, F. J.-----	Mar. 3, 1885
303,403	Skinner, J. J.-----	Aug. 12, 1884	313,561	Waterhouse, F. G.-----	Mar. 10, 1885
303,866	Langley, J. W.-----	Aug. 19, 1884	316,089	Weston, E.-----	Apr. 21, 1885
307,684	Sheehy, R. J.-----	Nov. 4, 1884	316,500	Thomas, W. M.-----	Apr. 28, 1885
307,690	Thomas, W. M.-----	Nov. 4, 1884	320,234	Farmer, M. G.-----	June 16, 1885
309,536	Freeman, W. K.-----	Dec. 23, 1884	320,840	Buckingham, C. L.-----	June 23, 1885
310,763	Weston, E.-----	Jan. 13, 1885	320,842	Buckingham, C. L.-----	June 23, 1885
311,141	Orton, B. F.-----	Jan. 20, 1885			

172. MOTIVE POWER.—9. CAR BRAKES.

306,452	Withers, J. E. and Delvin, G. H.-----	Oct. 14, 1884	307,536	Flad, H.-----	Nov. 4, 1884
307,534	Flad, H.-----	Nov. 4, 1884	314,709	Park, H. S.-----	Mar. 31, 1885
307,535	Flad, H.-----	Nov. 4, 1884			

172. MOTIVE POWER.—15. DENTAL INSTRUMENTS.

310,099	Van Ness, J. H. and Bland, M. A.-----				Dec. 30, 1884
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172. MOTIVE POWER.—75. LOCOMOTION.

No.	NAME.	DATE.	No.	NAME.	DATE.
302,596	Sherman, W. F. -----	July 29, 1884	315,113	Bidwell, B. -----	Apr. 7, 1885
305,147	Chandler, T. P., jr. -----	Sept. 16, 1884	316,139	Goldberg, L. and Fyfe, A. L. -----	Apr. 21, 1885
305,194	Jenkin, F. -----	Sept. 16, 1884	317,235	Sprague, F. J. -----	May 5, 1885
305,694	Knight, W. H. -----	Sept. 23, 1884	317,302	Clarke, T. C. -----	May 5, 1885
305,729	Bentley, E. M. -----	Sept. 23, 1884	318,594	Bidwell, B. -----	May 26, 1885
305,730	Bidwell, B. -----	Sept. 23, 1884	318,668	Sprague, F. J. -----	May 26, 1885
305,731	Knight, W. H. -----	Sept. 23, 1884	319,947	Basto, C. -----	June 16, 1885
306,315	Bentley, E. M. -----	Oct. 7, 1884	320,025	Weis, J. -----	June 16, 1885
307,791	Neeper, A. M. -----	Nov. 11, 1884	320,092	Reckenzaun, A. -----	June 16, 1885
309,606	Danchell, F. H. -----	Dec. 23, 1884	320,283	Pope, F. L. -----	June 16, 1885
310,558	Bullock, C. -----	Jan. 13, 1885	320,631	Daft, L. -----	June 23, 1885
310,962	Smith, M. H. -----	Jan. 20, 1885	320,632	Daft, L. -----	June 23, 1885
312,557	Daft, L. -----	Feb. 17, 1885	320,633	Daft, L. -----	June 23, 1885
313,830	Meigs, J. V. -----	Mar. 10, 1885	320,679	Painter, W. -----	June 23, 1885

172. MOTIVE POWER.—36. MOTORS.

301,602	Jackson, C. A. -----	July 8, 1884	315,183	Sprague, F. J. -----	Apr. 7, 1885
302,793	Starr, E. T. -----	July 29, 1884	316,091	Weston, E. -----	Apr. 21, 1885
306,288	Shaffer, W. C. and Poalk, J. L. -----	Oct. 7, 1884	316,092	Weston, E. -----	Apr. 21, 1885
306,805	Atwater, J. B. -----	Oct. 21, 1884	316,093	Weston, E. -----	Apr. 21, 1885
307,387	Griscom, W. W. -----	Oct. 28, 1884	316,316	Watt, A. -----	Apr. 21, 1885
307,834	Van Depoele, C. J. -----	Nov. 11, 1884	316,317	Watt, A. -----	Apr. 21, 1885
308,534	Trouvé, G. -----	Nov. 25, 1884	317,249	Van Depoele, C. J. -----	May 5, 1885
308,548	Blodgett, A. D. and Tirrell, J. P. -----	Nov. 25, 1884	318,589	Woolley, L. G. -----	May 26, 1885
309,522	Chapman, W. H. -----	Dec. 23, 1884	319,912	Kohrn, W. A. J. -----	June 9, 1885
309,562	Peck, C. C. and Chapman, W. H. -----	Dec. 23, 1884	320,137	Jackson, C. A. -----	June 16, 1885
312,178	Bacon, M. -----	Feb. 10, 1885	320,515	Van Depoele, C. J. -----	June 23, 1885
313,546	Sprague, F. J. -----	Mar. 10, 1885	321,049	Pendleton, J. M. -----	June 30, 1885
315,161	Perkins, C. G. -----	Apr. 7, 1885	321,147	Sprague, F. J. -----	June 30, 1885
315,179	Sprague, F. J. -----	Apr. 7, 1885	321,148	Sprague, F. J. -----	June 30, 1885
315,180	Sprague, F. J. -----	Apr. 7, 1885	321,149	Sprague, F. J. -----	June 30, 1885
315,181	Sprague, F. J. -----	Apr. 7, 1885	321,150	Sprague, F. J. -----	June 30, 1885
315,182	Sprague, F. J. -----	Apr. 7, 1885			

172. MOTIVE POWER.—8. STEERING AND PROPULSION.

310,729	Scotland, J. and Cordon, F. -----	Jan. 13, 1885	313,901	Washburn, C. H. -----	Mar. 17, 1885
312,579	Nordenfelt, T. -----	Feb. 17, 1885	319,633	Sims, W. S. -----	June 9, 1885

172. MOTIVE POWER.—83. TRANSMISSION OF POWER.

310,664	Gassett, O. -----	Jan. 13, 1885	316,090	Weston, E. -----	Apr. 21, 1885
316,076	Stevens, W. L. -----	Apr. 21, 1885			

173. CONDUCTORS.—13. CONDUCTORS.

301,417	Wilkinson, A. -----	July 1, 1884	309,509	Paul, W. and Wood, T. J. -----	Dec. 16, 1884
301,499	Kellogg, M. G. -----	July 8, 1884	310,258	Cowles, A. A. -----	Jan. 6, 1885
303,735	Jackson, C. T. -----	Aug. 19, 1884	310,345	Watt, H. C. -----	Jan. 6, 1885
303,961	Wright, A. -----	Aug. 19, 1884	310,938	Gilliland, E. T. -----	Jan. 20, 1885
304,020	Muskat, C. G. -----	Aug. 26, 1884	310,957	Muirhead, A. -----	Jan. 20, 1885
304,087	Edison, T. A. -----	Aug. 26, 1884	310,993	Farmer, M. G. -----	Jan. 20, 1885
304,170	Cady, F. D. -----	Aug. 26, 1884	310,995	Farmer, M. G. -----	Jan. 20, 1885
304,539	McCracken, E. D. -----	Sept. 2, 1884	311,521	Patterson, W. R. -----	Feb. 3, 1885
305,475	Reed, T. S. -----	Sept. 23, 1884	311,522	Patterson, W. R. -----	Feb. 3, 1885
305,939	Leigh, J. and Clarke, C. L. -----	Sept. 30, 1884	311,523	Patterson, W. R. -----	Feb. 3, 1885
306,478	Gardner, P. G., jr. -----	Oct. 14, 1884	311,913	Patterson, W. R. -----	Feb. 10, 1885
306,513	Patterson, W. R. -----	Oct. 14, 1884	312,045	Wallace, W. and Wood, T. J. -----	Feb. 10, 1885
306,744	Grimshaw, W. D. -----	Oct. 21, 1884	312,405	Thomas, W. P. and Frost, E. J. -----	Feb. 17, 1885
307,184	Derron, A. -----	Oct. 28, 1884	312,673	Thompson, C. M. and Eberle, C. R. -----	Feb. 24, 1885
308,220	Weaver, A. S. -----	Nov. 13, 1884			
308,890	Grimshaw, W. D. -----	Dec. 9, 1884	312,755	Patterson, W. R. -----	Feb. 24, 1885
309,267	Weaver, A. S. -----	Dec. 16, 1884	312,803	Bradley, C. S. -----	Feb. 24, 1885
309,463	Kilmer, I. A. and M. D. -----	Dec. 16, 1884	10,563	Patterson, W. R. ----- (Reis.)	Feb. 24, 1885

173. CONDUCTORS.—13. CONDUCTORS.—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
313,305	Eckert, W. H., Seely, J. A. and Eckert, E. A.	Mar. 3, 1885	317,879	Stieringer, L. and Vail, J. H.	May 12, 1885
313,410	Eckert, W. H., Seely, J. A. and Eckert, E. A.	Mar. 3, 1885	318,233	Clark, J. L.	May 19, 1885
314,618	Spruce, J.	Mar. 31, 1885	319,041	Van Choate, S. F.	June 2, 1885
314,791	Brooks, D., jr.	Mar. 31, 1885	319,079	Ellis, J. W.	June 2, 1885
315,487	Derrom, A.	Apr. 14, 1885	319,084	Fleming, J. A.	June 2, 1885
315,526	Macquarrie, D. B.	Apr. 14, 1885	319,536	Williamson, J. J.	June 9, 1885
315,633	Kellogg, H.	Apr. 14, 1885	319,993	Perkins, C. G.	June 16, 1885
315,841	Samuel, E.	Apr. 14, 1885	320,684	Platt, W. S.	June 23, 1885
317,587	Smith, J. J. C. and M.	May 12, 1885	320,921	Ferguson, R. S., Schumacher, W. and Tubman, W.	June 30, 1885
			321,240*	Patterson, W. R.	June 30, 1885

173. CONDUCTORS.—31. CONDUCTORS—ANTI-INDUCTIVE.

302,377	Bentley, E. M.	July 22, 1884	308,020	Van Hoevenbergh, H.	Nov. 11, 1884
202,378	Bentley, E. M.	July 22, 1884	310,879	Clark, H. A.	Jan. 20, 1885
304,540	McCracken, E. D.	Sept. 2, 1884	311,174	Clark, H. A.	Jan. 27, 1885
304,759	Shaffer, M. E.	Sept. 9, 1884	311,682	Shaw, W. A.	Feb. 3, 1885
306,256	Jamieson, W.	Oct. 7, 1884	313,053	Campbell, H. F.	Mar. 3, 1885
308,019	Van Hoevenbergh, H.	Nov. 11, 1884	315,225	Benjamin, G. H.	Apr. 7, 1885

173. CONDUCTORS.—70. CONDUCTORS—UNDERGROUND.

301,203	Bannister, L. and Blodget, L.	July 1, 1884	309,450	Fenner, M. D.	Dec. 16, 1884
301,547	Williams, B.	July 8, 1884	309,907	Williams, B.	Dec. 30, 1884
302,752	Marsden, J.	July 29, 1884	310,271	Griffin, P. H.	Jan. 6, 1885
302,883	Benjamin, G. H.	Aug. 5, 1884	310,748	Townsend, E. C.	Jan. 13, 1885
303,035	Morris, J. E., Dorsett, D. H. and Williams, B.	Aug. 5, 1884	313,380	Shelbourne, S. F.	Mar. 3, 1885
303,749	Pyle, W.	Aug. 19, 1884	314,568	Du Bois, J. S.	Mar. 31, 1885
303,924	Duplain, F. P.	Aug. 19, 1884	314,655	Devey, M. H.	Mar. 31, 1885
305,854	Shaw, W. A.	Sept. 30, 1884	315,954	Lytle, A. E.	Apr. 14, 1885
305,904	Dorsett, D. H.	Sept. 30, 1884	316,700	Walter, W.	Apr. 28, 1885
305,946	McAuliffe, S.	Sept. 30, 1884	317,326	Fague, S. J.	May 5, 1885
306,037	Turner, T. G.	Sept. 30, 1884	318,411	Banta, W. E.	May 19, 1885
306,057	Chase, H. A.	Oct. 7, 1884	318,616	Hassall, W.	May 26, 1885
307,872	Ryckman, W. J.	Nov. 11, 1884	318,951	Bryant, G. B.	June 2, 1885
308,612	Houston, E. J.	Dec. 2, 1884	319,112	Nevins, B. L.	June 2, 1885
309,091	Platt, W. K. and Aldrich, G. A.	Dec. 9, 1884	319,197	Cohlman, W.	June 2, 1885
309,244	Patterson, W. R.	Dec. 16, 1884	319,420	Nevins, B. L.	June 2, 1885
309,245	Patterson, W. R.	Dec. 16, 1884	319,813	Hasskarl, G. C. H.	June 9, 1885
309,247	Patterson, W. R.	Dec. 16, 1884	321,363	Hurlbut, D. N.	June 30, 1885

173. CONDUCTORS.—14. CONNECTORS.

301,655	Young, J.	July 8, 1884	311,130	Johnson, E. H.	Jan. 20, 1885
302,972	Bailey, H. L.	Aug. 5, 1884	311,611	Sawyer, W. H.	Feb. 3, 1885
303,537	Meek, R.	Aug. 12, 1884	311,914	Patterson, W. R.	Feb. 10, 1885
303,538	Meek, R.	Aug. 12, 1884	312,580	O'Malley, P. A.	Feb. 17, 1885
303,569	Hamilton, L. D. and Meek, R.	Aug. 12, 1884	313,616	Platt, W. S.	Mar. 10, 1885
305,601	Kear, R. W.	Sept. 22, 1884	315,586	Winton, H. D.	Apr. 14, 1885
306,495	Kellogg, M. G.	Oct. 14, 1884	317,887	Thompson, G. K.	May 12, 1885
309,246	Patterson, W. R.	Dec. 16, 1884	318,929	Smith, E. W.	May 26, 1885
310,177	Brady, J.	Jan. 6, 1885	319,326	Sawyer, W. H.	June 2, 1885

173. CONDUCTORS.—28. INSULATORS.

301,446	Hale, A. W.	July 1, 1884	306,718	Clark, E.	Oct. 21, 1884
303,261	Broomhall, G. L.	Aug. 12, 1884	306,719	Clark, E.	Oct. 21, 1884
303,399	Prince, G. W.	Aug. 12, 1884	307,025	Draper, O. M.	Oct. 21, 1884
303,483	Bailey, C. De R.	Aug. 12, 1884	307,916	Cleveland, J. S. and Kent, G. F.	Nov. 11, 1884
303,877	Neblett, C.	Aug. 19, 1884	308,818	Arnold, A. H.	Dec. 2, 1884
303,936	Krell, E. F.	Aug. 19, 1884	308,954	Draper, O. M.	Dec. 9, 1884
304,699	Broomhall, G. L.	Sept. 9, 1884	310,059	James, H. L.	Dec. 30, 1884
305,020	Ruth, J. A.	Sept. 9, 1884	310,931	Broomhall, G. L.	Jan. 20, 1885

173. CONDUCTORS.—28. INSULATORS.—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
313,377	Sawyer, W. H. -----	Mar. 3, 1885	316,812	O'Brien, J. -----	Apr. 28, 1885
315,660	Prenzel, H. -----	Apr. 14, 1885	317,479	Wright, W. H. -----	May 5, 1885
316,469	Locke, J. and Bowker, W. -----	Apr. 28, 1885	319,447	Broomhall, G. L. -----	June 9, 1885

173. CONDUCTORS.—94. LEAD-COVERED.

306,516	Philips, W. J. and Kitson, G. L. -----	Oct. 14, 1884	320,229	Delany, P. B. -----	June 16, 1885
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173. CONDUCTORS.—31. LIGHTNING-RODS.

303,488	Bradley, S. -----	Aug. 12, 1884	314,385	Lawshe, S. R. -----	Mar. 24, 1885
303,591	Prescott, G. S. -----	Aug. 12, 1884	315,679	Upton, F. R. -----	Apr. 14, 1885
305,140	Bradley, S. -----	Sept. 16, 1884	317,908	Williamson, C. -----	May 12, 1885
311,115	Fricke, J. R. -----	Jan. 20, 1885	319,300	Morton, W. A. -----	June 2, 1885

173. CONDUCTORS.—43. RHEOSTATS.

309,167	Sprague, F. J. -----	Dec. 9, 1884	321,285	Doyle, J. -----	June 30, 1885
311,820	Doyle, J. -----	Feb. 3, 1885			

173. CONDUCTORS.—86. TELEGRAPH-POLES.

301,108	Furness, A. W. -----				July 1, 1884
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174. MEDICAL AND SURGICAL.—87. BATHS.

303,959	Von Dolcke, L. -----	Aug. 19, 1884	307,745	Campbell, J. B. -----	Nov. 11, 1884
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174. MEDICAL AND SURGICAL.—88. BODY-WEAR.

305,321	McMullin, M. -----	Sept. 16, 1884	311,739	Foote, I. N. -----	Feb. 3, 1885
310,140	Kram, S. O. -----	Dec. 30, 1884	312,487	McGinnis, W. T. -----	Feb. 17, 1885

174. MEDICAL AND SURGICAL.—89. ELECTRODES.

309,897	Thurston, E. H. -----	Dec. 30, 1884	321,278	Clarke, G. P. and Harsin, G. ---	June 30, 1885
311,180	Ehrlich, L. -----	Jan. 27, 1885			

175. SPECIAL APPLICATIONS.—4. APPLICATIONS—GENERAL.

302,616	Winton, H. D. -----	July 29, 1884	312,939	Wheeler, S. S. -----	Feb. 24, 1885
303,496	Day, L. H. -----	Aug. 12, 1884	312,948	Atkinson, T. E. -----	Feb. 24, 1885
308,276	Paine, H. M. -----	Nov. 18, 1884	10,555	Wheeler, S. S. ----- (Reis.)	Apr. 21, 1885
308,908	Lighthill, A. P. -----	Dec. 9, 1884	317,365	Jacobs, M. -----	May 5, 1885
309,064	Kinch, I. S. -----	Dec. 9, 1884	317,805	Lange, P. and Lindner, E. ----	May 12, 1885
310,146	Murphy, A. -----	Dec. 30, 1884	318,172	Delany, P. B. -----	May 19, 1885
310,563	Emery, L. M. -----	Jan. 13, 1885	319,224	Gates, W. L. -----	June 2, 1885
311,278	Williams, W. -----	Jan. 27, 1885	320,275	Newman, C. H. and Berrigan, W	June 16, 1885
312,453	Giles, C. K. -----	Feb. 17, 1885			

175. SPECIAL APPLICATIONS.—5. APPLICATIONS—TOOLS AND MACHINES.

301,165	Rogers, W. A. and Ballou, G. F.	July 1, 1884	303,057	Schweizer, J. -----	Aug. 5, 1884
301,320	Allen, G. M. -----	July 1, 1884	303,803	Brisbane, A. and Gillham, R. --	Aug. 19, 1884
301,519	Priest, J. K. and Smith, R. T. --	July 8, 1884	303,834	Gillham, R. -----	Aug. 19, 1884
10,498	Oliver, H. W., jr. ----- (Reis.)	July 15, 1884	303,835	Gillham, R. -----	Aug. 19, 1884
302,836	Geesbergen, J. F. and Gernzet, A	July 29, 1884	303,836	Gillham, R. -----	Aug. 19, 1884

175. SPECIAL APPLICATIONS.—5. APPLICATIONS—TOOLS AND MACHINES.—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
305,177	Guerrant, G. M.-----	Sept. 16, 1884	310,913	Rogers, W. A.-----	Jan. 20, 1885
305,178	Guerrant, G. M. and J. C.-----	Sept. 16, 1884	310,970	Winchester, E. S.-----	Jan. 20, 1885
305,747	Farnham, I. H.-----	Sept. 30, 1884	311,106	Corey, F. E.-----	Jan. 20, 1885
306,339	Marcus, S.-----	Oct. 7, 1884	314,167	Curtiss, R. M.-----	Mar. 17, 1885
307,064	Ongley, C. E. and Sturtevant, E. W.-----	Oct. 21, 1884	317,892	Troy, D. S.-----	May 12, 1885
307,437	Clay, H.-----	Nov. 4, 1884	317,893	Troy, D. S.-----	May 12, 1885
309,585	Vogel, W.-----	Dec. 23, 1884	319,805	Fisher, F. E.-----	June 9, 1885
309,835	Etève E. and De Braam, J. A.-----	Dec. 30, 1884	320,285	Regan, D. S.-----	June 16, 1885

175. SPECIAL APPLICATIONS.—20. ELECTROLYSIS.

305,192	Howard, J. S.-----	Sept. 16, 1884	315,265	Farmer, M. G.-----	Apr. 7, 1885
312,814	Cassel, H. R.-----	Feb. 24, 1885	315,266	Farmer, M. G.-----	Apr. 7, 1885
313,569	Appleton, D.-----	Mar. 10, 1885	319,687	Farmer, M. G.-----	June 9, 1885
313,805	Callow, J. J.-----	Mar. 10, 1885	320,377	Mathieu, J. A.-----	June 16, 1885

175. SPECIAL APPLICATIONS.—21. ELECTRO-MAGNETS.

307,777	Leggo, W. A.-----	Nov. 11, 1884	314,041	McCracken, E. D.-----	Mar. 17, 1885
312,511	Recordon, E. F.-----	Feb. 17, 1885			

175. SPECIAL APPLICATIONS.—22. EXPLODING.

10,525	Graydon, J. W.----- (Reis.)	Sept. 23, 1884	315,030	Hill, E.-----	Apr. 7, 1885
10,526	Graydon, J. W.----- (Reis.)	Sept. 23, 1884	317,409	Monfort, E. A.-----	May 5, 1885
10,527	Graydon, J. W.----- (Reis.)	Sept. 23, 1884	317,545	Kinsman, F. E.-----	May 12, 1885
307,070	Russell, S.-----	Oct. 21, 1884	319,627	Russell, S.-----	June 9, 1885
307,071	Russell, S.-----	Oct. 21, 1884	319,628	Russell, S.-----	June 9, 1885
309,262	Thompson, R. H. S.-----	Dec. 16, 1884	319,629	Russell, S.-----	June 9, 1885
312,231	Timby, T. R.-----	Feb. 10, 1885	319,898	Frost, J. W.-----	June 9, 1885
313,150	Zalinski, E. L.-----	Mar. 3, 1885			

175. SPECIAL APPLICATIONS.—16. HEATERS.

302,673	Sellon, J. S.-----	July 29, 1884	319,795	Cowles, E. H. and A. H.-----	June 9, 1885
314,277	Vaughn, W. W. and Eldridge, E. D.-----	Mar. 24, 1885	319,945	Cowles, E. H. and A. H.-----	June 9, 1885

175. SPECIAL APPLICATIONS.—92. IGNITING DEVICES.

301,393	Sawyer, W. H.-----	July 1, 1884	315,057	Norton, J. A.-----	Apr. 7, 1885
305,726	Williams, H. N.-----	Sept. 23, 1884	316,428	Wright, E. H.-----	Apr. 21, 1885
306,128	Bogart, A. L.-----	Oct. 7, 1884	316,429	Wright, E. H.-----	Apr. 21, 1885
310,002	Weiss, C. W.-----	Dec. 30, 1884	319,380	Arnould, E.-----	June 2, 1885
311,840	Lane, F.-----	Feb. 3, 1885	320,065	Hussey, C. A.-----	June 16, 1885
314,119	Geary, J.-----	Mar. 17, 1885	320,105	White, L. S.-----	June 16, 1885
315,055	Norton, J. A.-----	Apr. 7, 1885	320,106	White, L. S.-----	June 16, 1885
315,056	Norton, J. A.-----	Apr. 7, 1885	320,606	White, L. S.-----	June 23, 1885

175. SPECIAL APPLICATIONS.—91. IGNITING DEVICES—PORTABLE.

302,447	Taylor, T. and J.-----	July 22, 1884	312,285	Miller, S. E.-----	Feb. 17, 1885
309,971	Molison, A. R.-----	Dec. 30, 1884			

175. SPECIAL APPLICATIONS.—25. INCRUSTATION.

304,989	Cabell, S. G.-----				Sept. 9, 1884
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175. SPECIAL APPLICATIONS.—93. MAGNETIC LOCKS AND BOLTS.

No.	NAME.	DATE.	No.	NAME.	DATE.
306,018	Johnston, J. W. and Rogers, J. H.	Sept. 30, 1884	315,186	Thaxter, G. E. -----	Apr. 7, 1885
306,179	Roosevelt, H. L. -----	Oct. 7, 1884	320,617	Blattmann, C. -----	June 23, 1885

175. SPECIAL APPLICATIONS.—90. SEPARATORS.

10,507	Barker, R. ----- (Reis.)	Aug. 12, 1884	310,533	Moebius, B. -----	Jan. 6, 1885
306,778	Ripley, R. A. and Bridgford, J.	Oct. 21, 1884	315,028	Hilder, C. F. and Scott, E. -----	Apr. 7, 1885
307,081	Bear, S. -----	Oct. 28, 1884	317,245	Thompson, E. P. -----	May 5, 1885
307,082	Bear, S. -----	Oct. 28, 1884	317,246	Thompson, E. P. -----	May 5, 1885
307,237	Taylor, C. F. -----	Oct. 28, 1884	318,932	Trippe, S. L. -----	May 26, 1885
310,302	Moebius, B. -----	Jan. 6, 1885			

175. SPECIAL APPLICATIONS.—84. VALVE-CONTROLLERS.

302,215	Tucker, C. A. -----	July 15, 1884	310,665	Gassett, O. -----	Jan. 13, 1885
303,620	Clérac, H. L. G. and Guérault, P. G. R.	Aug. 19, 1884	313,313	Gannaway, E. -----	Mar. 3, 1885
304,330	Lakin, J. A. -----	Sept. 2, 1884	318,417	Carroll, B. J. -----	May 19, 1885
305,595	Hughes, T. P. -----	Sept. 23, 1884	319,260	Ide, A. L. -----	June 2, 1885

176. ELECTRIC LIGHTING.—80. CUT-OUTS—ELECTRO-MAGNETIC.

304,376	Tirrell, J. P. -----	Sept. 2, 1884	312,985	Du Shane, J. -----	Feb. 24, 1885
307,818	Thomson, E. -----	Nov. 11, 1884	313,091	May, J. B. -----	Mar. 3, 1885
307,819	Thomson, E. -----	Nov. 11, 1884	313,640	Wright, C. D. and Fisher, C. A.	Mar. 10, 1885
311,957	Cardwell, G. A. -----	Feb. 10, 1885	316,501	Thomas, W. M. -----	Apr. 28, 1885
312,242	Short, S. H. -----	Feb. 10, 1885	316,502	Thomas, W. M. -----	Apr. 28, 1885
312,529	Thomas, W. M. -----	Feb. 17, 1885	320,912	Cartwright, D. J. -----	June 30, 1885

176. ELECTRIC LIGHTING.—79. CUT-OUTS—MECHANICAL.

303,402	Shaw, T. N. -----	Aug. 12, 1884	320,017	Thomson, E. and Rice, E. W. -----	June 16, 1885
308,261	Huber, J. L. -----	Nov. 18, 1884			

176. ELECTRIC LIGHTING.—78. CUT-OUTS—THERMAL.

302,485	Hedges, K. W. -----	July 22, 1884	311,681	Sawyer, W. H. -----	Feb. 3, 1885
302,968	Weston, E. -----	Aug. 5, 1884	316,077	Stevens, W. L. -----	Apr. 21, 1885
307,639	Gilliland, E. T. -----	Nov. 4, 1884	319,635	Soulliere, L. -----	June 9, 1885
310,472	Stanley, W., jr. -----	Jan. 6, 1885			

176. ELECTRIC LIGHTING.—17. LIGHTS—ARC.

301,175	Sperry, E. A. -----	July 1, 1884	305,096	McCarty, N. -----	Sept. 16, 1884
301,550	Ball, C. M. -----	July 8, 1884	305,175	Grauert, E. -----	Sept. 16, 1884
301,551	Ball, C. M. -----	July 8, 1884	305,413	Thomson, E. -----	Sept. 16, 1884
302,061	Van Choate, S. F. -----	July 15, 1884	305,617	Mather, R. H. -----	Sept. 23, 1884
302,221	Gray, A. and T. -----	July 15, 1884	306,005	Dennis, T. L. -----	Sept. 30, 1884
302,553	Freeman, W. K. -----	July 29, 1884	306,118	Thomson, E. and Rice, E. W. -----	Oct. 7, 1884
302,960	Thomson, E. -----	Aug. 5, 1884	306,119	Thomson, E. and Rice, E. W. -----	Oct. 7, 1884
302,961	Thomson, E. -----	Aug. 5, 1884	306,517	Pickering, E. -----	Oct. 14, 1884
302,962	Thomson, E. -----	Aug. 5, 1884	306,764	Mather, R. H. -----	Oct. 21, 1884
303,020	Kelly, J. F. -----	Aug. 5, 1884	306,845	Mather, R. H. -----	Oct. 21, 1884
303,245	Wood, J. J. -----	Aug. 5, 1884	307,062	Newton, F. M. -----	Oct. 21, 1884
303,614	Boettcher, E. -----	Aug. 19, 1884	307,104	Dennis, T. L. -----	Oct. 28, 1884
303,898	Thomson, E. -----	Aug. 19, 1884	307,584	Pendleton, J. M. -----	Nov. 4, 1884
304,377	Van Depoele, C. J. -----	Sept. 2, 1884	307,683	Sheehy, R. J. -----	Nov. 4, 1884
304,455	Robinson, W. -----	Sept. 2, 1884	307,769	Houston, E. J. -----	Nov. 11, 1884
304,473	Turner, T. G. -----	Sept. 2, 1884	307,808	Serrailier, A. -----	Nov. 11, 1884
304,672	Skinner, J. J. -----	Sept. 2, 1884	308,595	Dalzell, J. A. -----	Dec. 2, 1884
304,673	Skinner, J. J. -----	Sept. 2, 1884	308,620	McCarty, N. -----	Dec. 2, 1884
304,966	Sperry, E. A. -----	Sept. 9, 1884	309,012	Van Choate, S. F. -----	Dec. 9, 1884

176. ELECTRIC LIGHTING.—17. LIGHTS—ARC.—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
309,392	Kay, T. L. -----	Dec. 16, 1884	313,437	Mailloux, C. O. -----	Mar. 3, 1885
309,454	Gorn, H. A. -----	Dec. 16, 1884	313,487	Freeman, W. P. -----	Mar. 10, 1885
10,544	Brush, C. F. ----- (Reis.)	Dec. 23, 1884	314,418	Ball, C. M. -----	Mar. 24, 1885
309,816	Allen, J. B. -----	Dec. 30, 1884	314,567	Diehl, P. -----	Mar. 31, 1885
310,119	Buckingham, C. L. -----	Dec. 30, 1884	315,473	Buckley, W. F. -----	Apr. 14, 1885
310,124	Davidoff, A. -----	Dec. 30, 1884	315,524	Lynn, M. N. -----	Apr. 14, 1885
310,630	Woolley, L. G. -----	Jan. 13, 1885	315,564	Sparrow, F. M. -----	Apr. 14, 1885
310,736	Short, S. H. -----	Jan. 13, 1885	315,571	Tabourin, G. A. -----	Apr. 14, 1885
310,781	Boissier, H. R. -----	Jan. 13, 1885	316,240	Colburn, L. -----	Apr. 21, 1885
310,783	Boissier, H. R. -----	Jan. 13, 1885	316,765	Farmer, M. G. -----	Apr. 28, 1885
310,837	McCarty, N. -----	Jan. 13, 1885	316,791	King, W. W. -----	Apr. 28, 1885
311,072	Hochhausen, W. -----	Jan. 20, 1885	317,777	Heinrichs, C. F. -----	May 12, 1885
311,073	Hochhausen, W. -----	Jan. 20, 1885	317,778	Heinrichs, C. F. -----	May 12, 1885
311,074	Hochhausen, W. -----	Jan. 20, 1885	318,350	Buckley, W. F. -----	May 19, 1885
311,142	Patton, W. P. -----	Jan. 20, 1885	319,539	Woolley, L. G. -----	June 9, 1885
311,546	Ward, B. B. -----	Feb. 3, 1885	319,745	Pieper, H., fils. -----	June 9, 1885
312,184	Brush, C. F. -----	Feb. 10, 1885	319,781	Bossard, A. -----	June 9, 1885
312,243	Short, S. H. -----	Feb. 10, 1885	320,018	Thomson, E. -----	June 16, 1885
313,006	Lynn, M. N. -----	Feb. 24, 1885	320,585	Pfannkuche, G. -----	June 23, 1885
313,009	Lynn, M. N. -----	Feb. 24, 1885	320,841	Buckingham, C. L. -----	June 23, 1885
313,039	Woolley, L. G. -----	Feb. 24, 1885	320,843	Buckingham, C. L. -----	June 23, 1885
313,436	Mailloux, C. O. -----	Mar. 3, 1885			

176. ELECTRIC LIGHTING.—18. LIGHTS—INCANDESCENT.

301,192	White, N. S. -----	July 1, 1884	310,761	Weston, E. -----	Jan. 13, 1885
301,929	Smith, A. -----	July 15, 1884	313,965	Swan, A. -----	Mar. 17, 1885
302,133	Hickman, G. W. and McCoy, J. F. -----	July 15, 1884	314,208	White, N. S. -----	Mar. 17, 1885
			316,003	Brangs, P. H. -----	Apr. 21, 1885
302,134	Hickman, G. W. and McCoy, J. F. -----	July 15, 1884	316,088	Weston, E. -----	Apr. 21, 1885
			316,094	Weston, E. -----	Apr. 21, 1885
302,135	Hickman, G. W. -----	July 15, 1884	316,302	Stanley, W., jr. -----	Apr. 21, 1885
303,202	Ball, C. M. -----	Aug. 5, 1884	316,993	Moses, O. A. -----	May 5, 1885
303,357	Beck, C. F. -----	Aug. 12, 1884	317,171	Müller, C. H. F. -----	May 5, 1885
303,358	Beck, C. F. -----	Aug. 12, 1884	317,631	Edison, T. A. -----	May 12, 1885
304,086	Edison, T. A. -----	Aug. 26, 1884	317,632	Edison, T. A. -----	May 12, 1885
304,880	Weston, E. -----	Sept. 9, 1884	317,633	Edison, T. A. -----	May 12, 1885
304,901	Bowron, G. and Hibbert, W. -----	Sept. 9, 1884	317,676	Sawyer, W. E. and Man, A. -----	May 12, 1885
305,191	Holzer, W. -----	Sept. 16, 1884	317,776	Heinrichs, C. F. -----	May 12, 1885
305,817	Hickman, G. W. and McCoy, J. F. -----	Sept. 30, 1884	319,129	Roussy, E. L. -----	June 2, 1885
			319,177	Bernstein, A. -----	June 2, 1885
306,980	Weston, E. -----	Oct. 21, 1884	319,353	Trott, S. E. -----	June 2, 1885
307,029	Edison, T. A. -----	Oct. 21, 1884	319,580	Heinze, L. -----	June 9, 1885
307,166	Benson, J. W. -----	Oct. 28, 1884	320,026	Weston, E. -----	June 16, 1885
307,270	Dornfeld, C. -----	Oct. 28, 1884	320,027	Weston, E. -----	June 16, 1885
307,389	Grubbe, H. H. -----	Oct. 28, 1884	320,029	Weston, E. -----	June 16, 1885
307,759	Glass, W. -----	Nov. 11, 1884	320,030	Weston, E. -----	June 16, 1885
308,301	Bradley, J. J. -----	Nov. 18, 1884	320,117	Cunningham, D. H. -----	June 16, 1885
308,712	Vail, J. H. -----	Dec. 2, 1884	320,297	Schaefer, F. -----	June 16, 1885
310,145	Moses, O. A. -----	Dec. 30, 1884	320,739	Yunck, J. A. and Sturtz, J. -----	June 23, 1885
310,373	Bryant, T. W. -----	Jan. 6, 1885	321,309	Moses, O. A. -----	June 30, 1885
310,516	Hussey, C. A. -----	Jan. 6, 1885			

176. ELECTRIC LIGHTING.—19. LIGHTS—SYSTEMS AND APPLIANCES.

301,112	Gennert, E. F. -----	July 1, 1884	308,713	Vail, J. H. -----	Dec. 2, 1884
302,827	Cruto, A. -----	July 29, 1884	310,663	Gassett, O. -----	Jan. 13, 1885
303,762	Thomson, E. -----	Aug. 19, 1884	311,100	Bergmann, S. -----	Jan. 20, 1885
304,085	Edison, T. A. -----	Aug. 26, 1884	311,131	Klein, P. H., jr. -----	Jan. 20, 1885
304,593	Baker, J. -----	Sept. 2, 1884	311,165	Adams, J. S. -----	Jan. 27, 1885
304,882	Weston, E. -----	Sept. 9, 1884	311,166	Adams, J. S. -----	Jan. 27, 1885
304,883	Weston, E. -----	Sept. 9, 1884	311,398	Weston, E. -----	Jan. 27, 1885
304,884	Weston, E. -----	Sept. 9, 1884	311,616	Smith, T. T. -----	Feb. 3, 1885
305,164	Dyer, R. N. -----	Sept. 16, 1884	311,617	Smith, T. T. -----	Feb. 3, 1885
305,200	Klein, P. H., jr. -----	Sept. 16, 1884	312,269	Higley, E. N. -----	Feb. 17, 1885
305,984	Vance, S. B. H. -----	Sept. 30, 1884	312,394	Smith, T. T. -----	Feb. 17, 1885
306,557	Vance, S. B. H. -----	Oct. 14, 1884	312,552	Colby, E. A. -----	Feb. 17, 1885
306,558	Vance, S. B. H. -----	Oct. 14, 1884	312,589	Thomas, W. M. -----	Feb. 17, 1885
306,998	Baxter, W., jr. -----	Oct. 21, 1884	312,789	Adams, F. U. -----	Feb. 24, 1885
307,810	Skinner, J. J. -----	Nov. 11, 1884	312,951	Barnes, R. F. -----	Feb. 24, 1885
307,879	Stieringer, L. -----	Nov. 11, 1884	312,958	Bolton, F. J. -----	Feb. 24, 1885

176. ELECTRIC LIGHTING.—19. LIGHTS—SYSTEMS AND APPLIANCES.—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
313,726	Haid, A -----	Mar. 10, 1885	316,709	Weston, E -----	Apr. 28, 1885
313,746	Man, A -----	Mar. 10, 1885	317,610	Andrews, W. S. -----	May 12, 1885
313,782	Starr, E. T. -----	Mar. 10, 1885	317,700	Andrews, W. S. -----	May 12, 1885
313,783	Starr, E. T. -----	Mar. 10, 1885	317,960	Allen, J. G. -----	May 19, 1885
314,582	Johnson, E. H. -----	Mar. 31, 1885	318,157	Andrews, W. S. and Spencer, T. -----	May 19, 1885
314,976	O'Beirne, W. H. -----	Mar. 31, 1885	318,547	Deavs, C. -----	May 26, 1885
315,673	Smith, T. T. -----	Apr. 14, 1885	319,347	Thomas, W. M. -----	June 2, 1885
315,674	Smith, T. T. -----	Apr. 14, 1885	319,384	Bergmann, S. -----	June 2, 1885
316,095	Weston, E. -----	Apr. 21, 1885	319,573	Gale, H. B. -----	June 9, 1885
316,096	Weston, E. -----	Apr. 21, 1885	320,028	Weston, E. -----	June 16, 1885
316,707	Weston, E. -----	Apr. 28, 1885	320,200	Winans, W. -----	June 16, 1885
316,708	Weston, E. -----	Apr. 28, 1885	320,645	Fischer, C. H. -----	June 23, 1885

176. ELECTRIC LIGHTING.—34. METERS.

302,976	Brackett, C. F. -----	Aug. 5, 1884	307,031	Edison, T. A. -----	Oct. 21, 1884
304,082	Edison, T. A. -----	Aug. 26, 1884	308,487	Goodman, J. and H. M. -----	Nov. 25, 1884
304,881	Weston, E. -----	Sept. 9, 1884	309,114	Warner, C. D. -----	Dec. 9, 1884
304,907	Clarke, C. L. -----	Sept. 9, 1884	309,937	Farmer, M. G. -----	Dec. 30, 1884
305,431	David, W. G. -----	Sept. 23, 1884	310,252	Cauderay, J. -----	Jan. 6, 1885
306,957	Ray, J. F. -----	Oct. 21, 1884	314,891	Sprague, F. J. -----	Mar. 31, 1885
307,030	Edison, T. A. -----	Oct. 21, 1884	318,166	Cauderay, J. -----	May 19, 1885

177. ELECTRIC SIGNALING.—1. ALARMS.

302,245	Getchell, G. W. -----	July 22, 1884	314,188	Muratori, F. L. and Cros, E. -----	Mar. 17, 1885
302,539	Bobrick, G. A. -----	July 29, 1884	317,289	Boyle, J. C. -----	May 5, 1885
303,971	Palmatier, J. M. -----	Dec. 9, 1884	317,837	Moser, I. S. and Magee, F. -----	May 12, 1885
309,425	Wickersham, C. H. -----	Dec. 16, 1884			

177. ELECTRIC SIGNALING.—2. ALARMS—BURGLAR.

304,732	Iske, A. -----	Sept. 9, 1884	316,183	Roome, H. C. -----	Apr. 21, 1885
311,027	O'Keefe, W. F. H. -----	Jan. 20, 1885	316,376	Lyon, F. G. -----	Apr. 21, 1885
313,941	Kells, C. E., jr. -----	Mar. 17, 1885	316,621	Hill, J. H. and Babcock, J. E. -----	Apr. 28, 1885
315,139	Hall, A. W. -----	Apr. 7, 1885	319,053	Barkheimer, J. -----	June 2, 1885
315,140	Hall, A. W. -----	Apr. 7, 1885			

177. ELECTRIC SIGNALING.—3. ANNUNCIATORS.

301,763	Smith, A. B. -----	July 8, 1884	314,293	Herzog, F. B. -----	Mar. 24, 1885
303,626	Curi, W. P. and J. H. -----	Aug. 19, 1884	315,035	Holtzer, C. W. -----	Apr. 7, 1885
304,908	Clarke, C. L. -----	Sept. 9, 1884	315,313	McDuff, J. E. and Doherty, J. F. -----	Apr. 7, 1885
305,688	Gugerty, P. -----	Sept. 23, 1884	315,783	Herzog, F. B. -----	Apr. 14, 1885
306,084	Kellogg, W. T. -----	Oct. 7, 1884	315,941	Herzog, F. B. -----	Apr. 14, 1885
307,866	Palmer, A. C. -----	Nov. 11, 1884	317,569	Pevey, C. K. -----	May 12, 1885
310,749	Townsend, L. and Moore, R. W. -----	Jan. 13, 1885	318,472	Henzel, C. -----	May 26, 1885
311,472	Childs, W. A. and Shaw, F. -----	Feb. 3, 1885			

177. ELECTRIC SIGNALING.—7. BELLS.

305,611	Mackenzie, J. K. D. -----	Sept. 23, 1884	316,476	McCullough, L. H. -----	Apr. 28, 1885
10,533	Hazazer, E. W. ----- (Reis.)	Oct. 21, 1884	318,647	Palmer, A. H. -----	May 26, 1885
313,788	Waite, H. E. and Bartlett, S. H. -----	Mar. 10, 1885	319,318	Reardon, E. F. -----	June 2, 1885
313,789	Waite, H. E. and Bartlett, S. H. -----	Mar. 10, 1885	320,685	Porter, H. B. -----	June 23, 1885

177. ELECTRIC SIGNALING.—11. CLOCKS.

301,569	Crane, A. S. -----	July 8, 1884	305,632	Pond, C. H. and Munger, A. S. -----	Sept. 22, 1884
301,601	Jackson, C. A. -----	July 8, 1884	307,287	Gardner, W. F. -----	Oct. 28, 1884
301,805	Clarke, C. L. -----	July 8, 1884	308,225	Willson, R. W. -----	Nov. 18, 1884
303,052	Ruehle, C. W. -----	Aug. 5, 1884	308,521	Pond, C. H. -----	Nov. 25, 1884
304,595	Barschig, C. E. -----	Sept. 2, 1884	308,731	Bailey, H. L. -----	Dec. 2, 1884

177. ELECTRIC SIGNALING.—11. CLOCKS.—Continued.

No.	NAME.	DATE.	No.	NAME.	DATE.
308,793	Pond, C. H. and Bailey, H. L.	Dec. 2, 1884	316,112	Carey, J. E.	Apr. 21, 1885
309,000	Smith, J. E.	Dec. 9, 1884	316,360	Haenichen, F. and O.	Apr. 21, 1885
309,001	Smith, J. E.	Dec. 9, 1884	318,612	Gallet, V.	May 26, 1885
309,269	Weisgerber, W. F.	Dec. 16, 1884	319,259	Hussey, C. A.	June 2, 1885
309,809	Trippen, G. and F. jr.	Dec. 23, 1884	319,534	Weisgerber, W. F.	June 9, 1885
310,530	Mayrhofer, C. A.	Jan. 6, 1885	319,783	Carr, R. B.	June 9, 1885
311,234	Crane, A. S.	Jan. 27, 1885	320,997	Bauman, F.	June 30, 1885
312,482	Lund, J. A.	Feb. 17, 1885	321,062	Tideman, S.	June 30, 1885
314,634	Weisgerber, W. F.	Mar. 31, 1885			

177. ELECTRIC SIGNALING.—26. INDICATORS.

301,397	Seyferth, A.	July 1, 1884	313,404	Curtis, E.	Mar. 3, 1885
303,862	Kingsley, W. J. P. and G. L.	Aug. 19, 1884	313,784	Tirrell, J. P.	Mar. 10, 1885
304,279	Power, W. H.	Aug. 26, 1884	314,914	Brown, W. A. M. and Porter, J. M.	Mar. 31, 1885
305,499	Barton, W. H. H.	Sept. 23, 1884			
306,395	Haskins, C. H.	Oct. 14, 1884	319,782	Carr, R. B.	June 9, 1885
307,543	Haight, H. J.	Nov. 4, 1884	320,542	Curtis, E.	June 23, 1885
308,416	Lasmoles, A.	Nov. 25, 1884			

177. ELECTRIC SIGNALING.—38. RAILWAY-SIGNALS.

301,361	Hall, A. W.	July 1, 1884	308,316	Kronbiegel-Collenbusch, B.	Nov. 18, 1884
301,369	Jackson, C. H.	July 1, 1884	308,492	Hambay, J. T.	Nov. 25, 1884
301,837	Scott, C. A.	July 8, 1884	308,493	Hambay, J. T.	Nov. 25, 1884
302,475	Fullerton, G. E.	July 22, 1884	308,494	Hambay, J. T.	Nov. 25, 1884
302,505	Lindley, L. W.	July 22, 1884	308,533	Toulmin, M.	Nov. 25, 1884
302,821	Blodgett, A. D. and Winton, H. D.	July 29, 1884	308,845	Lloret y Tepes, J.	Dec. 2, 1884
303,525	Le Grande, W. W. and Meek, R.	Aug. 12, 1884	309,274	Williams, C. W., Barnum, G. S. and Ives, E. B.	Dec. 16, 1884
303,526	Le Grande, W. W.	Aug. 12, 1884	310,412	Godfrey, F. M.	Jan. 6, 1885
303,567	Gary, W. W.	Aug. 12, 1884	310,519	Johnson, C. R.	Jan. 6, 1885
303,570	Hamilton, L. D.	Aug. 12, 1884	311,050	Winton, H. D.	Jan. 20, 1885
303,589	Pope, F. L.	Aug. 12, 1884	311,706	Young, F. H. and Davis, F. I.	Feb. 3, 1885
303,590	Pope, F. L.	Aug. 12, 1884	311,846	Otte, G.	Feb. 3, 1885
303,595	Scott, C. A.	Aug. 12, 1884	312,503	Pease, W. M.	Feb. 17, 1885
304,583	Toulmin, M.	Sept. 2, 1884	312,504	Pease, W. M.	Feb. 17, 1885
305,331	Reynolds, G. A.	Sept. 16, 1884	312,627	Hadden, W.	Feb. 24, 1885
305,359	Vogel, W.	Sept. 16, 1884	313,614	Pease, W. M.	Mar. 10, 1885
306,932	Lane, F.	Oct. 21, 1884	314,760	Waters, W. T.	Mar. 31, 1885
307,095	Clark, O. H.	Oct. 28, 1884	314,761	Waters, W. T.	Mar. 31, 1885
307,096	Clark, O. H.	Oct. 28, 1884	314,762	Waters, W. T.	Mar. 31, 1885
307,097	Clark, O. H.	Oct. 28, 1884	314,763	Waters, W. T.	Mar. 31, 1885
307,098	Clark, O. H.	Oct. 28, 1884	315,498	Hall, A. W.	Apr. 14, 1885
307,099	Clark, O. H.	Oct. 28, 1884	315,772	Hadden, W.	Apr. 14, 1885
307,517	Applegate, E. W.	Nov. 4, 1884	315,785	Hinds, J. and Stimpson, L. L.	Apr. 14, 1885
307,760	Hadden, W. and Van Hooevenbergh, H.	Nov. 11, 1884	316,171	Potter, T.	Apr. 21, 1885
307,888	Williams, C. W., Barnum, G. S. and Ives, E. B.	Nov. 11, 1884	316,201	Tisdale, C. D.	Apr. 21, 1885
308,269	Marshall, M.	Nov. 18, 1884	317,910	Winton, H. D.	May 12, 1885
			317,911	Winton, H. D.	May 12, 1885
			317,994	Hadden, W.	May 19, 1885

177. ELECTRIC SIGNALING.—39. RECORDERS.

301,591	Hemje, C.	July 8, 1884	317,432	Amet, E. H.	May 5, 1885
303,298	Le Grande, W. W.	Aug. 12, 1884	318,227	Ayer, J. C.	May 19, 1885
303,911	Boone, J.	Aug. 19, 1884	319,818	Howard, A.	June 9, 1885
308,195	Puffer, E. R.	Nov. 18, 1884	321,069	Weiss, C. W.	June 30, 1885
313,513	Neuert, C. A.	Mar. 10, 1885	321,387	Roth, C. W.	June 30, 1885
315,355	Torrey, A. and Casey, D. J.	Apr. 7, 1885			

177. ELECTRIC SIGNALING.—68. THERMOSTATS.

308,120	Wilder, E. R. and Clark, J. P.	Nov. 18, 1884	311,933	Williams, G. R.	Feb. 10, 1885
308,293	Tubbs, A. W.	Nov. 18, 1884	313,523	Prentiss, F. H. and Tilden, J. A.	Mar. 10, 1885

178. TELEGRAPHY.—46. AUTOMATIC.

No.	NAME.	DATE.	No.	NAME.	DATE.
305,259	Wilson, M. H. -----	Sept. 16, 1884	315,391	Denison, S. P. -----	Apr. 7, 1885
313,791	Westbrook, C. -----	Mar. 10, 1885	315,392	Denison, S. P. -----	Apr. 7, 1885
313,792	Westbrook, C. -----	Mar. 10, 1885	316,693	Van Hoevenbergh, H. -----	Apr. 28, 1885
314,115	Edison, T. A. and Kenny, P. -----	Mar. 17, 1885	316,754	Delany, P. B. -----	Apr. 28, 1885

178. TELEGRAPHY.—10. CIRCUIT-CLOSERS.

303,579	Lüngen, A. -----	Aug. 12, 1884	309,790	Lüngen, A. -----	Dec. 23, 1884
304,557	Pirnie, G. -----	Sept. 2, 1884	313,605	Maxwell, G. S. -----	Mar. 10, 1885
305,045	Bryant, T. W. -----	Sept. 16, 1884	317,450	Frenyear, T. C. -----	May 5, 1885
305,310	Holmes, J. H. -----	Sept. 16, 1884	320,233	Geary, J. -----	June 16, 1885
306,255	Horn, W. F. -----	Oct. 7, 1884			

178. TELEGRAPHY.—45. CIRCUITS AND SYSTEMS.

302,175	Vander Weyde, P. H. -----	July 15, 1884	315,428	Ludwig, J. C. -----	Apr. 7, 1885
306,977	Vander Weyde, P. H. -----	Oct. 21, 1884	318,345	Boyle, R. K. -----	May 19, 1885
309,126	Boyle, R. K. -----	Dec. 9, 1884	320,987	Van Rysselberghe, F. -----	June 30, 1885
315,425	Ludwig, J. C. -----	Apr. 7, 1885	321,404	Van Rysselberghe, F. -----	June 30, 1885

178. TELEGRAPHY.—48. DUPLEX.

309,571	Selden, C. -----	Dec. 23, 1884	310,684	Jones, F. W. -----	Jan. 13, 1885
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178. TELEGRAPHY.—49. DYNAMO.

302,176	Vander Weyde, P. H. -----	July 15, 1884	308,835	Field, S. D. -----	Dec. 2, 1884
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178. TELEGRAPHY.—50. FIRE.

301,645	Tilden, J. A. -----	July 8, 1884	311,756	Herzog, F. B. -----	Feb. 3, 1885
302,935	Phillips, E. F. and Land, J. F. -----	Aug. 5, 1884	311,757	Herzog, F. B. -----	Feb. 3, 1885
302,980	Buell, C. E. -----	Aug. 5, 1884	312,899	Reid, W. A. -----	Feb. 24, 1885
303,109	Birge, E. B. -----	Aug. 5, 1884	313,040	Young, J. -----	Feb. 24, 1885
303,917	Brown, J. R. -----	Aug. 19, 1884	313,147	Wilson, J. C. -----	Mar. 3, 1885
304,209	Mackenzie, J. U. -----	Aug. 26, 1884	316,474	McCullough, L. H. -----	Apr. 28, 1885
304,351	Norton, O. H. -----	Sept. 2, 1884	316,475	McCullough, L. H. -----	Apr. 28, 1885
306,201	Worthington, C. C. -----	Oct. 7, 1884	317,912	Wood, F. B. -----	May 12, 1885
306,202	Worthington, C. C. -----	Oct. 7, 1884	319,718	Holcombe, A. G. -----	June 9, 1885
308,036	McGonegal, H. and Lake, S. D. -----	Nov. 11, 1884	320,068	Jungerman, E. -----	June 16, 1885
308,323	Oros, J. J. -----	Nov. 18, 1884	321,058	Selden, C. -----	June 30, 1885
308,566	Lockwood, T. D. -----	Nov. 25, 1884	321,110	Holcombe, A. G. -----	June 30, 1885
310,106	Wilson, J. C. -----	Dec. 30, 1884			

178. TELEGRAPHY.—29. KEYS.

303,956	Stoneburner, A. A. and Kasper, J. H. -----	Aug. 19, 1884	315,426	Ludwig, J. C. -----	Apr. 7, 1885
307,836	Borchers, C. -----	Nov. 11, 1884	320,504	Root, J. E. -----	June 23, 1885

178. TELEGRAPHY.—30. LIGHTNING-ARRESTERS.

304,084	Edison, T. A. -----	Aug. 26, 1884	317,848	Pitcher, H. A. -----	May 12, 1885
306,697	O'Sullivan, M. J. and Houck, T. J. -----	Oct. 14, 1884	318,571	Lytle, H. B. and McCoy, J. A. -----	May 26, 1885
			321,235	McCarty, W. F. C. M. -----	June 30, 1885

178. TELEGRAPHY.—35. MORSE REGISTERS.

314,525	Estienne, E. -----				Mar. 24, 1885
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178. TELEGRAPHY.—51. MULTIPLEX.

No.	NAME.	DATE.	No.	NAME.	DATE.
302,502	La Cour, P.-----	July 22, 1884	316,125	Delany, P. B.-----	Apr. 21, 1885
313,298	Burke, C. G.-----	Mar. 3, 1885	316,126	Delany, P. B.-----	Apr. 21, 1885

178. TELEGRAPHY.—54. PRINTING.

303,327	Scott, D. B.-----	Aug. 12, 1884	316,677	Van Hoevenbergh, H.-----	Apr. 28, 1885
304,007	Knudson, A. A.-----	Aug. 26, 1884	316,678	Van Hoevenbergh, H.-----	Apr. 28, 1885
304,025	Phelps, G. M.-----	Aug. 26, 1884	316,679	Van Hoevenbergh, H.-----	Apr. 28, 1885
304,037	Scott, G. B.-----	Aug. 26, 1884	316,680	Van Hoevenbergh, H.-----	Apr. 28, 1885
304,051	Vansize, W. B.-----	Aug. 26, 1884	316,681	Van Hoevenbergh, H.-----	Apr. 28, 1885
304,052	Vansize, W. B. and Bucking- ham, C. L.-----	Aug. 26, 1884	316,682	Van Hoevenbergh, H.-----	Apr. 28, 1885
			316,683	Van Hoevenbergh, H.-----	Apr. 28, 1885
304,475	Van Hoevenbergh, H.-----	Sept. 2, 1884	316,684	Van Hoevenbergh, H.-----	Apr. 28, 1885
306,055	Burke, C. G.-----	Oct. 7, 1884	316,685	Van Hoevenbergh, H.-----	Apr. 28, 1885
306,056	Burke, C. G.-----	Oct. 7, 1884	316,686	Van Hoevenbergh, H.-----	Apr. 28, 1885
306,297	Van Hoevenbergh, H.-----	Oct. 7, 1884	316,687	Van Hoevenbergh, H.-----	Apr. 28, 1885
307,231	Sheehy, R. J.-----	Oct. 28, 1884	316,688	Van Hoevenbergh, H.-----	Apr. 28, 1885
307,232	Sheehy, R. J.-----	Oct. 28, 1884	316,689	Van Hoevenbergh, H.-----	Apr. 28, 1885
307,233	Sheehy, R. J.-----	Oct. 28, 1884	316,690	Van Hoevenbergh, H.-----	Apr. 28, 1885
307,234	Sheehy, R. J.-----	Oct. 28, 1884	316,691	Van Hoevenbergh, H.-----	Apr. 28, 1885
307,696	Wirsching, A. and E.-----	Nov. 4, 1884	316,692	Van Hoevenbergh, H.-----	Apr. 28, 1885
307,841	Cassagnes, G. A.-----	Nov. 11, 1884	316,694	Van Hoevenbergh, H.-----	Apr. 28, 1885
10,542	Pope, F. L. and Edison, T. A. (Reis.)-----	Dec. 9, 1884	316,695	Van Hoevenbergh, H.-----	Apr. 28, 1885
			316,696	Van Hoevenbergh, H.-----	Apr. 28, 1885
309,332	Clarke, H. F.-----	Dec. 16, 1884	316,697	Van Hoevenbergh, H.-----	Apr. 28, 1885
310,587	Hathaway, G. M.-----	Jan. 13, 1885	316,698	Van Hoevenbergh, H.-----	Apr. 28, 1885
311,218	Wright, J. E. and Longstreet, J. H.-----	Jan. 27, 1885	316,855	Vau Hoevenbergh, H.-----	Apr. 28, 1885
			319,001	McCarthy, L. A.-----	June 2, 1885
313,175	Cassagnes, G. A.-----	Mar. 3, 1885	319,770	Winkel, C.-----	June 9, 1885
313,176	Cassagnes, G. A.-----	Mar. 3, 1885	319,855	Scott, G. B.-----	June 9, 1885
313,786	Van Hoevenbergh, H.-----	Mar. 10, 1885	320,271	Munson, J. E.-----	June 16, 1885
315,122	Cardwell, G. A.-----	Apr. 7, 1885	320,272	Munson, J. E.-----	June 16, 1885
316,494	Smith, A. B.-----	Apr. 28, 1885	320,376	Mathiesen, C. A.-----	June 16, 1885
316,676	Van Hoevenbergh, H.-----	Apr. 28, 1885	320,975	Scott, G. B.-----	June 30, 1885

178. TELEGRAPHY.—55. QUADRUPLEX.

302,410	Jones, F. W.-----	July 22, 1884	309,573	Selden, C.-----	Dec. 23, 1884
304,106	Jones, F. W.-----	Aug. 26, 1884	309,751	Van Hoevenbergh, H.-----	Dec. 23, 1884
305,906	Eils, B. E. J.-----	Sept. 30, 1884	310,685	Jones, F. W.-----	Jan. 13, 1885
305,907	Eils, B. E. J.-----	Sept. 30, 1884	313,787	Van Hoevenbergh, H.-----	Mar. 10, 1885
305,908	Eils, B. E. J.-----	Sept. 30, 1884	319,428	Smith, G.-----	June 2, 1885
305,909	Eils, B. E. J.-----	Sept. 30, 1884	320,311	Taltavall, T. R.-----	June 16, 1885
309,572	Selden, C.-----	Dec. 23, 1884			

178. TELEGRAPHY.—56. RAILWAY-CAR.

307,314	Marshall, F. P.-----	Oct. 28, 1884	315,662	Pullman, S. C.-----	Apr. 14, 1885
307,984	Phelps, L. J.-----	Nov. 11, 1884	318,102	Gilliland, E. T.-----	May 19, 1885
308,432	Reed, J. D.-----	Nov. 25, 1884	318,186	Hertzog, O. S.-----	May 19, 1885
312,506	Phelps, L. J.-----	Feb. 17, 1885	319,023	Pullman, S. C.-----	June 2, 1885
313,462	Williams, C. W., Ives, E. B. and Barnum, G. S.-----	Mar. 3, 1885	320,495	Parrish, M. F. and Munn, S. J.-----	June 23, 1885

178. TELEGRAPHY.—41. RELAYS AND SOUNDERS.

306,187	Smith, J. E.-----	Oct. 7, 1884	315,427	Lndwig, J. C.-----	Apr. 7, 1885
306,225	Cummings, C.-----	Oct. 7, 1884	315,563	Stitzel, F. and Weinedel, C.-----	Apr. 14, 1885
308,610	Harvey, W. B.-----	Dec. 2, 1884	315,763	Gilliland, J. F.-----	Apr. 14, 1885
312,670	Strong, H. C.-----	Feb. 24, 1885	318,854	Belt, P. P.-----	May 26, 1885
315,017	Gilliland, J. F.-----	Apr. 7, 1885	319,201	Delmege, J. W.-----	June 2, 1885

178. TELEGRAPHY.—42. REPEATERS.

307,498	Smith, J. E.-----	Nov. 4, 1884	312,831	Farmer, M. G.-----	Feb. 24, 1885
311,330	Kölzer, J.-----	Jan. 27, 1885	316,956	Gardanier, G. W.-----	May 5, 1885

178. TELEGRAPHY.—69. TRANSMITTERS.

No.	NAME.	DATE.	No.	NAME.	DATE.
302,360	Spengler, C. G.-----	July 22, 1884	313,610	O'Neill, J. J.-----	Mar. 10, 1885
304,059	Anderson, R.-----	Aug. 26, 1884	314,292	Herzog, F. B.-----	Mar. 24, 1885
304,518	Fix, W. and Herrmann, C.-----	Sept. 2, 1884	314,294	Herzog, F. B.-----	Mar. 24, 1885
305,262	Ames, T.-----	Sept. 16, 1884	315,027	Herzog, F. B.-----	Apr. 7, 1885
308,897	Herrmann, C.-----	Dec. 9, 1884	316,477	McCullough, L. H.-----	Apr. 28, 1885
308,922	Palmer, W. B.-----	Dec. 9, 1884	320,032	Wilson, J. C.-----	June 16, 1885
310,424	Hess, W. C.-----	Jan. 6, 1885	321,073	Wood, F. B.-----	June 30, 1885

179. TELEPHONY.—82. ANTI-INDUCTION DEVICES.

317,888	Thornberry, H. S.-----	May 12, 1885	320,414	Thornberry, H. S.-----	June 16, 1885
320,253	Hoffmann, E. H.-----	June 16, 1885			

179. TELEPHONY.—57. TELEPHONES—CALLS.

306,360	Stabler, J. P.-----	Oct. 7, 1884	313,720	Gill, E. R., jr.-----	Mar. 10, 1885
306,361	Stabler, J. P.-----	Oct. 7, 1884	314,383	Lockwood, T. D.-----	Mar. 24, 1885
307,494	Rice, D. H.-----	Nov. 4, 1884	316,233	Clarke, J. H. and Millard, G. W.-----	Apr. 21, 1885
309,617	Gray, E.-----	Dec. 23, 1884	320,923	Frost, E. F.-----	June 30, 1885
310,379	Cary, J. H.-----	Jan. 6, 1885			

179. TELEPHONY.—58. TELEPHONES—DETAILS.

304,413	Della-Torre, F.-----	Sept. 2, 1884	312,841	Hadden, W.-----	Feb. 24, 1885
304,843	Miller, W. R.-----	Sept. 9, 1884	312,842	Hadden, W.-----	Feb. 24, 1885
310,068	Miller, W. R.-----	Dec. 30, 1884	318,037	Tyler, G. R.-----	May 19, 1885
312,492	Miller, W. R.-----	Feb. 17, 1885			

179. TELEPHONY.—59. TELEPHONES—ELECTRIC.

301,749	Parks, N. and Callanen, F. J.-----	July 8, 1884	312,533	Wallace, T.-----	Feb. 17, 1885
303,627	Drawbaugh, D.-----	Aug. 19, 1884	312,871	Lockwood, T. D.-----	Feb. 24, 1885
303,628	Drawbaugh, D.-----	Aug. 19, 1884	314,155	Taylor, T. F.-----	Mar. 17, 1885
303,810	Congdon, A. F.-----	Aug. 19, 1884	314,156	Taylor, T. F.-----	Mar. 17, 1885
303,948	Perrin, T. J.-----	Aug. 19, 1884	314,157	Taylor, T. F.-----	Mar. 17, 1885
305,812	Hale, W. B.-----	Sept. 30, 1884	314,307	Alabaster, H. and Gatehouse, T. E.-----	Mar. 24, 1885
305,901	Davis, W. S.-----	Sept. 30, 1884			
306,026	Long, C. W.-----	Sept. 30, 1884	314,312	Blake, F.-----	Mar. 24, 1885
306,514	Perrin, T. J.-----	Oct. 14, 1884	314,841	Hopkins, G. M.-----	Mar. 31, 1885
307,026	Drawbaugh, D.-----	Oct. 21, 1884	315,368	Woods, G. T.-----	Apr. 7, 1885
307,478	Lockwood, T. D.-----	Nov. 4, 1884	315,862	Voelker, W. L.-----	Apr. 14, 1885
307,728	Perrin, T. J.-----	Nov. 4, 1884	316,133	Farmer, M. G.-----	Apr. 21, 1885
308,273	McIntire, J. N.-----	Nov. 18, 1884	316,204	Waite, H. E. and Bartlett, S. H.-----	Apr. 21, 1885
308,817	Woods, G. T.-----	Dec. 2, 1884	316,883	Drawbaugh, G. W.-----	Apr. 28, 1885
308,956	Eckert, W. H.-----	Dec. 9, 1884	317,445	Drawbaugh, G. W.-----	May 5, 1885
309,474	Lowth, J.-----	Dec. 16, 1884	318,423	Freeman, J. P.-----	May 19, 1885
309,475	Lowth, J.-----	Dec. 16, 1884	318,424	Freeman, J. P.-----	May 19, 1885
309,742	Semal, F. J.-----	Dec. 23, 1884	318,907	Husbands, J. D.-----	May 26, 1885
310,151	Rogers, J. H.-----	Dec. 30, 1884	319,042	Waite, H. E.-----	June 2, 1885
311,979	Guest, J. H.-----	Feb. 10, 1885	319,048	Allen, C. E.-----	June 2, 1885
312,160	Randall, C. A.-----	Feb. 10, 1885	319,415	Johnson, E. H.-----	June 2, 1885
312,161	Randall, C. A.-----	Feb. 10, 1885	319,548	Berthon, A.-----	June 9, 1885
312,162	Randall, C. A.-----	Feb. 10, 1885	319,927	Nutt, S. P.-----	June 9, 1885
312,409	Waite, H. E.-----	Feb. 17, 1885	321,323	Thornberry, H. S.-----	June 30, 1885

179. TELEPHONY.—60. TELEPHONES—MAGNETIC.

303,629	Drawbaugh, D.-----	Aug. 19, 1884	314,304	Alabaster, H., Gatehouse, T. E. and Kempe, H. R.-----	Mar. 24, 1885
303,809	Congdon, A. F.-----	Aug. 19, 1884	314,306	Alabaster, H. and Gatehouse, T. E.-----	Mar. 24, 1885
305,927	Hopkins, G. M.-----	Sept. 30, 1884			
305,928	Hopkins, G. M.-----	Sept. 30, 1884	315,421	De Loch-Labye, L.-----	Apr. 7, 1885
305,980	Taylor, T. F.-----	Sept. 30, 1884	316,205	Waite, H. E. and Bartlett, S. H.-----	Apr. 21, 1885
309,476	Lowth, J.-----	Dec. 16, 1884	316,206	Waite, H. E.-----	Apr. 21, 1885
310,751	Waite, H. E.-----	Jan. 13, 1885	316,260	Greenfield, E. T.-----	Apr. 21, 1885
310,961	Pratt, H. P.-----	Jan. 20, 1885	316,816	Perrin, T. J.-----	Apr. 28, 1885
312,365	Lowth, J.-----	Feb. 17, 1885	316,888	Fuller, J. E.-----	Apr. 28, 1885
312,366	Lowth, J.-----	Feb. 17, 1885	318,058	Waite, H. E.-----	May 19, 1885
312,596	Randall, C. A.-----	Feb. 24, 1885			

179. TELEPHONY.—61. TELEPHONES—MECHANICAL.

No.	NAME.	DATE.	No.	NAME.	DATE.
304,242	Sims, J. F.-----	Aug. 26, 1884	314,946	Ludlow, F. C.-----	Mar. 31, 1885
305,453	Hyder, J. V.-----	Sept. 23, 1884	315,078	Seligman, H.-----	Apr. 7, 1885
306,616	Holcombe, A. G.-----	Oct. 14, 1884	318,397	Rounds, J. C.-----	May 19, 1885
307,800	Randolph, M.-----	Nov. 11, 1884	320,181	Seligman, H. and E.-----	June 16, 1885
308,582	Tucker, I. F.-----	Nov. 25, 1884	320,935	Holcomb, J. R., J. D. and C. F.-----	June 30, 1885

179. TELEPHONY.—63. TELEPHONES—REED.

308,754	Cushing, F. W.-----	Dec. 2, 1884	315,121	Cardwell, G. A.-----	Apr. 7, 1885
309,600	Brooks, B. A.-----	Dec. 23, 1884			

179. TELEPHONY.—77. TELEPHONES—RELAYS AND REPEATERS.

306,044	Allen, C. E.-----	Oct. 7, 1884	316,818	Perrin, T. J.-----	Apr. 28, 1885
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179. TELEPHONY.—71. TELEPHONES—SWITCHES.

316,097	Weston, E.-----	Apr. 21, 1885	320,630	Daft, L.-----	June 23, 1885
318,987	Holt, A. J.-----	June 2, 1885			

179. TELEPHONY.—64. TELEPHONES—SYSTEMS.

301,529	Smith, E. W.-----	July 8, 1884	310,282	Jackson, W. A. and Cole, W. R.-----	Jan. 6, 1885
301,603	Jackson, W. A. and Cole, W. R.-----	July 8, 1884	310,750	Townsend, L.-----	Jan. 13, 1885
301,604	Jackson, W. A. and Cole, W. R.-----	July 8, 1884	310,890	Harrington, F. W.-----	Jan. 20, 1885
302,330	Goodwin, H. K.-----	July 22, 1884	311,944	Berthon, L. A.-----	Feb. 10, 1885
302,344	Knight, W. H.-----	July 22, 1884	311,977	Gilliland, J. F.-----	Feb. 10, 1885
302,364	Waite, H. E. and Bartlett, S. H.-----	July 22, 1884	312,410	Waite, H. E.-----	Feb. 17, 1885
303,553	Barnard, D. G.-----	Aug. 12, 1884	312,843	Hadden, W.-----	Feb. 24, 1885
10,508	Hamlin, E. B.----- (Reis.)	Aug. 12, 1884	313,409	Eckert, W. H., Seely, J. A. and Eckert, E. A.-----	Mar. 3, 1885
303,714	Eldred, H. H.-----	Aug. 19, 1884			
304,135	Rousseau, P. J.-----	Aug. 26, 1884	313,731	Harlan, J. A.-----	Mar. 10, 1885
304,667	Richards, W. L.-----	Sept. 2, 1884	313,828	Lytle, H. B. and McCoy, J. A.-----	Mar. 10, 1885
305,021	Scribner, C. E.-----	Sept. 9, 1884	313,829	Lytle, H. B. and McCoy, J. A.-----	Mar. 10, 1885
305,025	Smith, E. W.-----	Sept. 9, 1884	313,841	Vansize, W. B. and Lockwood, T. D.-----	Mar. 10, 1885
305,552	Waite, H. E.-----	Sept. 23, 1884			
305,829	Marcus, W. N.-----	Sept. 30, 1884	314,305	Alabaster, H. and Gatehouse, T. E.-----	Mar. 24, 1885
306,050	Bartlett, S. H.-----	Oct. 7, 1884			
306,238	Gilliland, E. T.-----	Oct. 7, 1884	314,371	Fitch, J. M.-----	Mar. 24, 1885
306,239	Gilliland, E. T.-----	Oct. 7, 1884	314,817	Fisher, F. E.-----	Mar. 31, 1885
306,240	Gilliland, E. T.-----	Oct. 7, 1884	314,818	Fisher, F. E.-----	Mar. 31, 1885
306,241	Gilliland, E. T.-----	Oct. 7, 1884	314,819	Fisher, F. E.-----	Mar. 31, 1885
306,296	Vail, T. N.-----	Oct. 7, 1884	315,331	Perrin, T. J.-----	Apr. 7, 1885
306,414	McDaniel, C. W., and Barrett, A.-----	Oct. 14, 1884	315,332	Perrin, T. J.-----	Apr. 7, 1885
306,457	Anders, G. L.-----	Oct. 14, 1884	315,333	Perrin, T. J.-----	Apr. 7, 1885
306,665	Vau Rysselberghe, F.-----	Oct. 14, 1884	315,334	Perrin, T. J.-----	Apr. 7, 1885
306,669	Wilson, C. H.-----	Oct. 14, 1884	315,658	Perrin, T. J.-----	Apr. 14, 1885
306,789	Waite, H. E. and Bartlett, S. H.-----	Oct. 21, 1884	316,394	Perrin, T. J.-----	Apr. 21, 1885
306,817	Fearey, J.-----	Oct. 21, 1884	316,395	Perrin, T. J.-----	Apr. 21, 1885
306,818	Fearey, J.-----	Oct. 21, 1884	316,911	Preece, W. H.-----	Apr. 28, 1885
307,106	Durant, G. F.-----	Oct. 28, 1884	317,213	Saxton, O. H.-----	May 5, 1885
307,589	Randolph, M.-----	Nov. 4, 1884	317,252	Weaver, E. F.-----	May 5, 1885
308,110	Tregurtha, J. and Loring, C. T.-----	Nov. 18, 1884	318,514	Seely, J. A.-----	May 26, 1885
308,165	Jackson, C. A.-----	Nov. 18, 1884	319,043	Waite, H. E.-----	June 2, 1885
308,248	Freeman, J. P.-----	Nov. 18, 1884	319,789	Comstock, H. W.-----	June 9, 1885
308,315	Kellogg, M. G.-----	Nov. 18, 1884	319,856	Shaw, F. and Childs, W. A.-----	June 9, 1885
308,660	Fitch, J. M.-----	Dec. 2, 1884	320,019	Titus, E. C.-----	June 16, 1885
309,218	Freeman, R. V.-----	Dec. 16, 1884	320,438	Lane, T. W.-----	June 16, 1885
309,357	Perriu, T. J.-----	Dec. 16, 1884	321,057	Scribner, C. E.-----	June 30, 1885
309,791	Lyle, J. D.-----	Dec. 23, 1884	321,390	Scribner, C. E.-----	June 30, 1885
310,094	Taylor, T. F.-----	Dec. 30, 1884	321,391	Scribner, C. E.-----	June 30, 1885

APPENDIX No. IV.

PART II.

CONSISTING OF A

NUMERICAL AND CHRONOLOGICAL INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1884, to June 30, 1885, inclusive, giving names of Inventors, numbers and dates of Patents, and the sub-class to which each belongs.

NUMERICAL INDEX

OF

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1884, TO JUNE 30, 1885.

No.	NAME.	CLASS.	DATE.
301,108	Furness, A. W.	Telegraph-poles	July 1, 1884
301,112	Gennert, E. F.	Lights, systems and appliances	July 1, 1884
301,165	Rogers, W. A. and Ballou, G. F.	Applications, tools and machines	July 1, 1884
301,175	Sperry, E. A.	Lights, arc	July 1, 1884
301,192	White, N. S.	Lights, incandescent	July 1, 1884
301,203	Bannister, L. and Blodget, L.	Conductors, underground	July 1, 1884
301,320	Allen, G. M.	Applications, tools and machines	July 1, 1884
301,351	Fitz Gerald, D. G.	Batteries, secondary	July 1, 1884
301,361	Hall, A. W.	Railway-signals	July 1, 1884
301,369	Jackson, C. H.	do	July 1, 1884
301,380	Maltby, S.	Magneto-electric	July 1, 1884
301,393	Sawyer, W. H.	Igniting devices	July 1, 1884
301,397	Seyferth, A.	Indicators	July 1, 1884
301,417	Wilkinson, A.	Conductors	July 1, 1884
301,446	Hale, A. W.	Insulators	July 1, 1884
301,499	Kellogg, M. G.	Conductors	July 8, 1884
301,519	Priest, J. K. and Smith, R. T.	Applications, tools and machines	July 8, 1884
301,529	Smith, E. W.	Telephones, systems	July 8, 1884
301,547	Williams, B.	Conductors, underground	July 8, 1884
301,550	Ball, C. M.	Lights, arc	July 8, 1884
301,551	Ball, C. M.	do	July 8, 1884
301,569	Crane, A. S.	Clocks	July 8, 1884
301,591	Hemje, C.	Recorders	July 8, 1884
301,601	Jackson, C. A.	Clocks	July 8, 1884
301,602	Jackson, C. A.	Motors	July 8, 1884
301,603	Jackson, W. A. and Cole, W. R.	Telephones, systems	July 8, 1884
301,604	Jackson, W. A. and Cole, W. R.	do	July 8, 1884
301,645	Tilden, J. A.	Telegraphy, fire	July 8, 1884
301,655	Young, J.	Connectors	July 8, 1884
301,749	Parks, N. and Callanen, F. J.	Telephones, electric	July 8, 1884
301,763	Smith, A. B.	Annunciators	July 8, 1884
301,805	Clarke, C. L.	Clocks	July 8, 1884
301,837	Scott, C. A.	Railway-signals	July 8, 1884
301,872	Edwards, E. A.	Magneto-electric	July 15, 1884
301,929	Smith, A.	Lights, incandescent	July 15, 1884
302,061	Van Choate, S. F.	Lights, arc	July 15, 1884
302,062	Van Choate, S. F.	Magneto-electric	July 15, 1884
302,133	Hickman, G. W. and McCoy, J. F.	Lights, incandescent	July 15, 1884
302,134	Hickman, G. W. and McCoy, J. F.	do	July 15, 1884
302,135	Hickman, G. W.	do	July 15, 1884
302,175	Vander Weyde, P. H.	Telegraphy, circuits and systems	July 15, 1884
302,176	Vander Weyde, P. H.	Telegraphy, dynamo	July 15, 1884
302,215	Tucker, C. A.	Valve-controllers	July 15, 1884
302,221	Gray, A. and T.	Lights, arc	July 15, 1884
302,245	Getchell, G. W.	Alarms	July 22, 1884
302,319	Brush, C. F.	Magneto-electric	July 22, 1884
302,330	Goodwin, H. K.	Telephones, systems	July 22, 1884
302,344	Knight, W. H.	do	July 22, 1884
302,360	Spengler, C. G.	Transmitters	July 22, 1884
302,364	Waite, H. E. and Bartlett, S. H.	Telephones, systems	July 22, 1884
302,377	Bentley, E. M.	Conductors, anti-inductive	July 22, 1884
302,378	Bentley, E. M.	do	July 22, 1884
302,410	Jones, F. W.	Telegraphy, quadruplex	July 22, 1884
302,417	Mather, R. H.	Magneto-electric	July 22, 1884
302,418	Mather, R. H.	do	July 22, 1884
302,447	Taylor, T. and J.	Igniting devices, portable	July 22, 1884
302,460	Wood, J. J.	Magneto-electric	July 22, 1884
302,475	Fullerton, G. E.	Railway-signals	July 22, 1884
302,485	Hedges, K. W.	Cut-outs, thermal	July 22, 1884

No.	NAME.	CLASS.	DATE.
302,502	La Cour, P.	Telegraphy, multiplex	July 22, 1884
302,505	Lindley, L. W.	Railway-signals	July 22, 1884
302,539	Bobrick, G. A.	Alarms	July 29, 1884
302,553	Freeman, W. K.	Lights, arc	July 29, 1884
302,554	Freeman, W. K.	Magneto-electric	July 29, 1884
303,555	Freeman, W. K.	do	July 29, 1884
302,556	Freeman, W. K.	do	July 29, 1884
302,557	Freeman, W. K.	do	July 29, 1884
302,596	Sherman, W. F.	Locomotion	July 29, 1884
302,616	Winton, H. D.	Applications, general	July 29, 1884
302,623	De Khotinsky, A.	Batteries, secondary	July 29, 1884
302,627	Espeut, W. B.	Magneto-electric	July 29, 1884
302,673	Sellon, J. S.	Heaters	July 29, 1884
302,752	Marsden, J.	Conductors, underground	July 29, 1884
302,783	Sarney, T. S. and Alprovidge, J. M.	Batteries, secondary	July 29, 1884
302,793	Starr, E. T.	Motors	July 29, 1884
302,821	Blodgett, A. D. and Winton, H. D.	Railway-signals	July 29, 1884
302,827	Cruto, A.	Lights, systems and appliances	July 29, 1884
302,836	Geesbergen, J. F. and Gêruzet, A.	Applications, tools and machines	July 29, 1884
302,883	Benjamin, G. H.	Conductors, underground	Aug. 5, 1884
302,935	Phillips, E. F. and Land, J. F.	Telegraphy, fire	Aug. 5, 1884
302,960	Thomson, E.	Lights, arc	Aug. 5, 1884
302,961	Thomson, E.	do	Aug. 5, 1884
302,962	Thomson, E.	do	Aug. 5, 1884
302,963	Thomson, E.	Regulators	Aug. 5, 1884
302,968	Weston, E.	Cut-outs, thermal	Aug. 5, 1884
302,972	Bailey, H. L.	Connectors	Aug. 5, 1884
302,976	Brackett, C. F.	Meters	Aug. 5, 1884
302,980	Buell, C. E.	Telegraphy, fire	Aug. 5, 1884
303,020	Kelly, J. F.	Lights, arc	Aug. 5, 1884
303,035	Morris, J. E., Dorsett, D. H. and Williams, B.	Conductors, underground	Aug. 5, 1884
303,052	Ruchle, C. W.	Clocks	Aug. 5, 1884
303,057	Schweizer, J.	Applications, tools and machines	Aug. 5, 1884
303,109	Birge, E. B.	Telegraphy, fire	Aug. 5, 1884
303,202	Ball, C. M.	Lights, incandescent	Aug. 5, 1884
303,237	Skrivanow, G. G.	Batteries, secondary	Aug. 5, 1884
303,245	Wood, J. J.	Lights, arc	Aug. 5, 1884
303,261	Broomhall, G. L.	Insulators	Aug. 12, 1884
303,298	Le Grande, W. W.	Recorders	Aug. 12, 1884
303,327	Scott, D. B.	Telegraphy, printing	Aug. 12, 1884
303,357	Beck, C. F.	Lights, incandescent	Aug. 12, 1884
303,358	Beck, C. F.	do	Aug. 12, 1884
303,399	Prince, G. W.	Insulators	Aug. 12, 1884
303,402	Shaw, T. N.	Cut-outs, mechanical	Aug. 12, 1884
303,403	Skinner, J. J.	Regulators	Aug. 12, 1884
303,433	Bailey, C. DeR.	Insulators	Aug. 12, 1884
303,488	Bradley, S.	Lightning-rods	Aug. 12, 1884
303,496	Day, L. H.	Applications, general	Aug. 12, 1884
303,525	Le Grande, W. W. and Meek, R.	Railway-signals	Aug. 12, 1884
303,526	Le Grande, W. W.	do	Aug. 12, 1884
303,537	Meek, R.	Connectors	Aug. 12, 1884
303,538	Meek, R.	do	Aug. 12, 1884
303,553	Barnard, D. G.	Telephones, systems	Aug. 12, 1884
303,560	Cleland, T.	Batteries, galvanic	Aug. 12, 1884
303,567	Gary, W. W.	Railway-signals	Aug. 12, 1884
303,569	Hamilton, L. D. and Meek, R.	Connectors	Aug. 12, 1884
303,570	Hamilton, L. D.	Railway-signals	Aug. 12, 1884
303,579	Lüngen, A.	Circuit-closers	Aug. 12, 1884
303,589	Pope, F. L.	Railway-signals	Aug. 12, 1884
303,590	Pope, F. L.	do	Aug. 12, 1884
303,591	Prescott, G. S.	Lightning-rods	Aug. 12, 1884
303,595	Scott, C. A.	Railway-signals	Aug. 12, 1884
303,614	Boettcher, E.	Lights, arc	Aug. 19, 1884
303,620	Clérac, H. L. G. and Guérout, P. G. R.	Valve-controllers	Aug. 19, 1884
303,626	Curl, W. P. and J. H.	Annunciators	Aug. 19, 1884
303,627	Drawbaugh, D.	Telephones, electric	Aug. 19, 1884
303,628	Drawbaugh, D.	do	Aug. 19, 1884
303,629	Drawbaugh, D.	Telephones, magnetic	Aug. 19, 1884
303,714	Eldred, H. H.	Telephones, systems	Aug. 19, 1884
303,735	Jackson, C. T.	Conductors	Aug. 19, 1884
303,744	Olmsted, J.	Magneto-electric	Aug. 19, 1884
303,749	Pyle, W.	Conductors, underground	Aug. 19, 1884
303,762	Thomson, E.	Lights, systems and appliances	Aug. 19, 1884
303,803	Brisbane, A. and Gillham, R.	Applications, tools and machines	Aug. 19, 1884
303,809	Congdon, A. F.	Telephones, magnetic	Aug. 19, 1884
303,810	Congdon, A. F.	Telephones, electric	Aug. 19, 1884
303,834	Gillham, R.	Applications, tools and machines	Aug. 19, 1884

No.	NAME.	CLASS.	DATE.
303,835	Gillham, R	Applications, tools and machines	Aug. 19, 1884
303,836	Gillham, R	do	Aug. 19, 1884
303,862	Kingsley, W. J. P. and G. L	Indicators	Aug. 19, 1884
303,866	Langley, J. W	Regulators	Aug. 19, 1884
303,877	Neblett, C	Insulators	Aug. 19, 1884
303,891	Shaw, W. A	Batteries, secondary	Aug. 19, 1884
303,898	Thomson, E	Lights, arc	Aug. 19, 1884
303,911	Boone, J	Recorders	Aug. 19, 1884
303,917	Brown, J. R	Telegraphy, fire	Aug. 19, 1884
303,924	Duplain, F. P	Conductors, underground	Aug. 19, 1884
303,936	Krell, E. F	Insulators	Aug. 19, 1884
303,948	Perrin, T. J	Telephones, electric	Aug. 19, 1884
303,956	Stoneburner, A. A. and Kasper, J. H	Keys	Aug. 19, 1884
303,959	Von Dolcke, L	Medical and surgical, baths	Aug. 19, 1884
303,961	Wright, A	Conductors	Aug. 19, 1884
304,007	Knudson, A. A	Telegraphy, printing	Aug. 26, 1884
304,020	Muskat, C. G	Conductors	Aug. 26, 1884
304,025	Phelps, G. M	Telegraphy, printing	Aug. 26, 1884
304,037	Scott, G. B	do	Aug. 26, 1884
304,051	Vansize, W. B	do	Aug. 26, 1884
304,052	Vansize, W. B. and Buckingham, C. L	do	Aug. 26, 1884
304,059	Anderson, R	Transmitters	Aug. 26, 1884
304,082	Edison, T. A	Meters	Aug. 26, 1884
304,083	Edison, T. A	Magneto-electric	Aug. 26, 1884
304,084	Edison, T. A	Lightning-arresters	Aug. 26, 1884
304,085	Edison, T. A	Lights, systems and appliances	Aug. 26, 1884
304,086	Edison, T. A	Lights, incandescent	Aug. 26, 1884
304,087	Edison, T. A	Conductors	Aug. 26, 1884
304,106	Jones, F. W	Telegraphy, quadruplex	Aug. 26, 1884
304,121	Münch, A. J. W	Magneto-electric, hand-machines	Aug. 26, 1884
304,135	Rousseau, P. J	Telephones, systems	Aug. 26, 1884
304,145	Sprague, F. J	Magneto-electric	Aug. 26, 1884
304,170	Cady, F. D	Conductors	Aug. 26, 1884
304,207	Mackenzie, J. U	Telegraphy, fire	Aug. 26, 1884
304,232	Palmer, C. H	Magneto-electric	Aug. 26, 1884
304,242	Sims, J. F	Telephones, mechanical	Aug. 26, 1884
304,265	Fuller, I. D	Batteries, galvanic	Aug. 26, 1884
304,279	Power, W. H	Indicators	Aug. 26, 1884
304,330	Lakin, J. A	Valve-controllers	Sept. 2, 1884
304,351	Norton, O. H	Telegraphy, fire	Sept. 2, 1884
304,376	Tirrell, J. P.	Cut-outs, electro-magnetic	Sept. 2, 1884
304,377	Van Depoele, C. J	Lights, arc	Sept. 2, 1884
304,378	Van Depoele, C. J	Magneto-electric	Sept. 2, 1884
304,382	Waterhouse, A. G	do	Sept. 2, 1884
304,383	Waterhouse, A. G	do	Sept. 2, 1884
304,384	Waterhouse, A. G	do	Sept. 2, 1884
304,413	Della-Torre, F	Telephones, details	Sept. 2, 1884
304,455	Robinson, W	Lights, arc	Sept. 2, 1884
304,473	Turner, T. G	do	Sept. 2, 1884
304,475	Van Hooevenbergh, H	Telegraphy, printing	Sept. 2, 1884
304,518	Fix, W. and Herrmann, C	Transmitters	Sept. 2, 1884
304,539	McCracken, E. D	Conductors	Sept. 2, 1884
304,540	McCracken, E. D	Conductors, anti-inductive	Sept. 2, 1884
304,557	Pirnie, G	Circuit-closers	Sept. 2, 1884
304,583	Toulmin, M	Railway-signals	Sept. 2, 1884
304,593	Baker, J	Lights, systems and appliances	Sept. 2, 1884
304,595	Barschig, C. E	Clocks	Sept. 2, 1884
304,667	Richards, W. L	Telephones, systems	Sept. 2, 1884
304,672	Skinner, J. J	Lights, arc	Sept. 2, 1884
304,673	Skinner, J. J	do	Sept. 2, 1884
304,699	Broomhall, G. L	Insulators	Sept. 9, 1884
304,732	Iske, A	Alarms, burglar	Sept. 9, 1884
304,759	Shaffer, M. E	Conductors, anti-inductive	Sept. 9, 1884
304,764	Thiébaud, J. A	Batteries, galvanic	Sept. 9, 1884
304,843	Miller, W. R	Telephones, details	Sept. 9, 1884
304,880	Weston, E	Lights, incandescent	Sept. 9, 1884
304,881	Weston, E	Meters	Sept. 9, 1884
304,882	Weston, E	Lights, systems and appliances	Sept. 9, 1884
304,883	Weston, E	do	Sept. 9, 1884
304,884	Weston, E	do	Sept. 9, 1884
304,897	Basset, N	Batteries, galvanic	Sept. 9, 1884
304,901	Bowron, G. and Hibbert, W	Lights, incandescent	Sept. 9, 1884
304,907	Clarke, C. L	Meters	Sept. 9, 1884
304,908	Clarke, C. L	Annunciators	Sept. 9, 1884
304,966	Sperry, E. A	Lights, arc	Sept. 9, 1884
304,989	Cabell, S. G	Incrustation	Sept. 9, 1884
305,020	Rnth, J. A	Insulators	Sept. 9, 1884

No.	NAME.	CLASS.	DATE.
305,021	Scribner, C. E.	Telephones, systems	Sept. 9, 1884
305,022	Shaw, W. A.	Batteries, galvanic	Sept. 9, 1884
305,023	Shaw, W. A.	Batteries, secondary	Sept. 9, 1884
305,025	Smith, E. W.	Telephones, systems	Sept. 9, 1884
305,045	Bryant, T. W.	Circuit-closers	Sept. 16, 1884
305,046	Bryant, T. W.	Batteries, galvanic	Sept. 16, 1884
305,096	McCarty, N.	Lights, arc	Sept. 16, 1884
305,140	Bradley, S.	Lightning-rods	Sept. 16, 1884
305,147	Chandler, T. P., jr.	Locomotion	Sept. 16, 1884
305,164	Dyer, R. N.	Lights, systems and appliances	Sept. 16, 1884
305,175	Grauert, E.	Lights, arc	Sept. 16, 1884
305,177	Guerrant, G. M.	Applications, tools and machines	Sept. 16, 1884
305,178	Guerrant, G. M. and J. C.	do	Sept. 16, 1884
305,191	Holzer, W.	Lights, incandescent	Sept. 16, 1884
305,192	Howard, J. S.	Electrolysis	Sept. 16, 1884
305,194	Jenkin, F.	Locomotion	Sept. 16, 1884
305,200	Klein, P. H., jr.	Lights, systems and appliances	Sept. 16, 1884
305,259	Wilson, M. H.	Telegraphy, automatic	Sept. 16, 1884
305,262	Ames, T.	Transmitters	Sept. 16, 1884
305,310	Holmes, J. H.	Circuit-closers	Sept. 16, 1884
305,321	McMullin, M.	Medical and surgical, body-wear	Sept. 16, 1884
305,331	Reynolds, G. A.	Railway-signals	Sept. 16, 1884
305,359	Vogel, W.	do	Sept. 16, 1884
305,413	Thomson, E.	Lights, arc	Sept. 16, 1884
305,431	David, W. G.	Meters	Sept. 23, 1884
305,453	Hyder, J. V.	Telephones, mechanical	Sept. 23, 1884
305,475	Reed, T. S.	Conductors	Sept. 23, 1884
305,499	Barton, W. H. H.	Indicators	Sept. 23, 1884
305,552	Waite, H. E.	Telephones, systems	Sept. 23, 1884
305,595	Hughes, T. P.	Valve-controllers	Sept. 23, 1884
305,601	Kear, R. W.	Connectors	Sept. 23, 1884
305,611	Mackenzie, J. K. D.	Bells	Sept. 23, 1884
305,617	Mather, R. H.	Lights, arc	Sept. 23, 1884
305,632	Pond, C. H. and Munger, A. S.	Clocks	Sept. 23, 1884
305,635	Schinneller, J.	Magneto-electric	Sept. 23, 1884
305,688	Gugerty, P.	Annunciators	Sept. 23, 1884
305,694	Knight, W. H.	Locomotion	Sept. 23, 1884
305,726	Williams, H. N.	Igniting devices	Sept. 23, 1884
305,729	Bentley, E. M.	Locomotion	Sept. 23, 1884
305,730	Bidwell, B.	do	Sept. 23, 1884
305,731	Knight, W. H.	do	Sept. 23, 1884
305,737	Casc, W. E.	Batteries, secondary	Sept. 30, 1884
305,747	Farnham, I. H.	Applications, tools and machines	Sept. 30, 1884
305,812	Hale, W. B.	Telephones, electric	Sept. 30, 1884
305,817	Hickman, G. W. and McCoy, J. F.	Lights, incandescent	Sept. 30, 1884
305,829	Marcus, W. N.	Telephones, systems	Sept. 30, 1884
305,854	Shaw, W. A.	Conductors, underground	Sept. 30, 1884
305,894	Clarke, C. L.	Induction-coils	Sept. 30, 1884
305,901	Davis, W. S.	Telephones, electric	Sept. 30, 1884
305,904	Dorsett, D. H.	Conductors, underground	Sept. 30, 1884
305,906	Eils, B. E. J.	Telegraphy, quadruplex	Sept. 30, 1884
305,907	Eils, B. E. J.	do	Sept. 30, 1884
305,908	Eils, B. E. J.	do	Sept. 30, 1884
305,909	Eils, B. E. J.	do	Sept. 30, 1884
305,927	Hopkins, G. M.	Telephones, magnetic	Sept. 30, 1884
305,928	Hopkins, G. M.	do	Sept. 30, 1884
305,939	Leigh, J. and Clarke, C. L.	Conductors	Sept. 30, 1884
305,943	Markle, J. R.	Magneto-electric	Sept. 30, 1884
305,946	McAuliffe, S.	Conductors, underground	Sept. 30, 1884
305,980	Taylor, T. F.	Telephones, magnetic	Sept. 30, 1884
305,984	Vance, S. B. H.	Lights, systems and appliances	Sept. 30, 1884
306,005	Dennis, T. L.	Lights, arc	Sept. 30, 1884
306,018	Johnston, J. W. and Rogers, J. H.	Magnetic locks and bolts	Sept. 30, 1884
306,026	Long, C. W.	Telephones, electric	Sept. 30, 1884
306,037	Turner, T. G.	Conductors, underground	Sept. 30, 1884
306,044	Allen, C. E.	Telephones, relays and repeaters	Oct. 7, 1884
306,050	Bartlett, S. H.	Telephones, systems	Oct. 7, 1884
306,051	Basset, N.	Batteries, secondary	Oct. 7, 1884
306,055	Burke, C. G.	Telegraphy, printing	Oct. 7, 1884
306,056	Burke, C. G.	do	Oct. 7, 1884
306,057	Chase, H. A.	Conductors, underground	Oct. 7, 1884
306,084	Kellogg, W. T.	Annunciators	Oct. 7, 1884
306,118	Thomson, E. and Rice, E. W.	Lights, arc	Oct. 7, 1884
306,119	Thomson, E. and Rice, E. W.	do	Oct. 7, 1884
306,128	Bogart, A. L.	Igniting devices	Oct. 7, 1884
306,179	Roosevelt, H. L.	Magnetic locks and bolts	Oct. 7, 1884
306,187	Smith, J. E.	Relays and sounders	Oct. 7, 1884

No.	NAME.	CLASS.	DATE.
306,201	Worthington, C. C	Telegraphy, fire	Oct. 7, 1884
306,202	Worthington, C. C	do	Oct. 7, 1884
306,225	Cummings, C	Relays and sounders	Oct. 7, 1884
306,238	Gilliland, E. T	Telephones, systems	Oct. 7, 1884
306,239	Gilliland, E. T	do	Oct. 7, 1884
306,240	Gilliland, E. T	do	Oct. 7, 1884
306,241	Gilliland, E. T	do	Oct. 7, 1884
306,255	Horn, W. F	Circuit-closers	Oct. 7, 1884
306,256	Jamieson, W	Conductors, anti-inductive	Oct. 7, 1884
306,288	Shaffer, W. C. and Poalk, J. L	Motors	Oct. 7, 1884
306,296	Vail, T. N	Telephones, systems	Oct. 7, 1884
306,297	Van Hoevenbergh, H	Telegraphy, printing	Oct. 7, 1884
306,315	Bentley, E. M	Locomotion	Oct. 7, 1884
306,339	Marcus, S	Applications, tools and machines	Oct. 7, 1884
306,360	Stabler, J. P	Telephones, calls	Oct. 7, 1884
306,361	Stabler, J. P	do	Oct. 7, 1884
306,395	Haskins, C. H	Indicators	Oct. 14, 1884
306,405	Lachlan, W	Batteries, secondary	Oct. 14, 1884
306,414	McDaniel, C. W. and Barrett, A	Telephones, systems	Oct. 14, 1884
306,452	Withers, J. E. and Delvin, G. H	Car-brakes	Oct. 14, 1884
306,457	Anders, G. L	Telephones, systems	Oct. 14, 1884
306,478	Gardner, P. G., jr	Conductors	Oct. 14, 1884
306,495	Kellogg, M. G	Connectors	Oct. 14, 1884
306,513	Patterson, W. R	Conductors	Oct. 14, 1884
306,514	Perrin, T. J	Telephones, electric	Oct. 14, 1884
306,516	Philips, W. J. and Kitson, G. L	Conductors, lead-covered	Oct. 14, 1884
306,517	Pickering, E	Lights, arc	Oct. 14, 1884
306,557	Vance, S. B. H	Lights, systems and appliances	Oct. 14, 1884
306,558	Vance, S. B. H	do	Oct. 14, 1884
306,616	Holcombe, A. G	Telephones, mechanical	Oct. 14, 1884
306,665	Van Rysselberghe, F	Telephones, systems	Oct. 14, 1884
306,669	Wilson, C. H	do	Oct. 14, 1884
306,684	Green, G. F	Batteries, galvanic	Oct. 14, 1884
306,687	Horry, W. S	Magneto-electric	Oct. 14, 1884
306,697	O'Sullivan, M. J. and Houck, T. J	Lightning-arresters	Oct. 14, 1884
306,718	Clark, E	Insulators	Oct. 21, 1884
306,719	Clark, E	do	Oct. 21, 1884
306,744	Grimshaw, W. D	Conductors	Oct. 21, 1884
306,764	Mather, R. H	Lights, arc	Oct. 21, 1884
306,778	Ripley, R. A. and Bridgford, J	Separators	Oct. 21, 1884
306,789	Waite, H. E. and Bartlett, S. H	Telephones, systems	Oct. 21, 1884
306,796	Zobel, J	Batteries, galvanic	Oct. 21, 1884
306,805	Atwater, J. B	Motors	Oct. 21, 1884
306,817	Fearey, J	Telephones, systems	Oct. 21, 1884
306,818	Fearey, J	do	Oct. 21, 1884
306,845	Mather, R. H	Lights, arc	Oct. 21, 1884
306,932	Lane, F	Railway-signals	Oct. 21, 1884
306,957	Ray, J. F	Meters	Oct. 21, 1884
306,977	Vander Weyde, P. H	Telegraphy, circuits and systems	Oct. 21, 1884
306,980	Weston, E	Lights, incandescent	Oct. 21, 1884
306,998	Baxter, W., jr	Lights, systems and appliances	Oct. 21, 1884
307,025	Draper, O. M	Insulators	Oct. 21, 1884
307,026	Drawbaugh, D	Telephones, electric	Oct. 21, 1884
307,029	Edison, T. A	Lights, incandescent	Oct. 21, 1884
307,030	Edison, T. A	Meters	Oct. 21, 1884
307,031	Edison, T. A	do	Oct. 21, 1884
307,062	Newton, F. M	Lights, arc	Oct. 21, 1884
307,064	Ongley, C. E. and Sturtevant, E. W	Applications, tools and machines	Oct. 21, 1884
307,070	Russell, S	Exploding	Oct. 21, 1884
307,071	Russell, S	do	Oct. 21, 1884
307,081	Bear, S	Separators	Oct. 28, 1884
307,082	Bear, S	do	Oct. 28, 1884
307,095	Clark, O. H	Railway-signals	Oct. 28, 1884
307,096	Clark, O. H	do	Oct. 28, 1884
307,097	Clark, O. H	do	Oct. 28, 1884
307,098	Clark, O. H	do	Oct. 28, 1884
307,099	Clark, O. H	do	Oct. 28, 1884
307,104	Dennis, T. L	Lights, arc	Oct. 28, 1884
307,106	Durant, G. F	Telephones, systems	Oct. 28, 1884
307,166	Benson, J. W	Lights, incandescent	Oct. 28, 1884
307,184	Derrom, A	Conductors	Oct. 28, 1884
307,231	Sheehy, R. J	Telegraphy, printing	Oct. 28, 1884
307,232	Sheehy, R. J	do	Oct. 28, 1884
307,233	Sheehy, R. J	do	Oct. 28, 1884
307,234	Sheehy, R. J	do	Oct. 28, 1884
307,237	Taylor, C. F	Separators	Oct. 28, 1884
307,261	Benton, C. H	Magneto-electric	Oct. 28, 1884

No.	NAME.	CLASS.	DATE.
307,270	Dornfeld, C	Lights, incandescent	Oct. 28, 1884
307,287	Gardner, W. F	Clocks	Oct. 28, 1884
307,290	Gilliland, E. T	Magneto-electric, hand-machines	Oct. 28, 1884
307,292	Gorn, H. A	Magneto-electric	Oct. 28, 1884
307,314	Marshall, F. P	Telegraphy, railway-car	Oct. 28, 1884
307,387	Griscom, W. W	Motors	Oct. 28, 1884
307,388	Griscom, W. W	Magneto-electric	Oct. 28, 1884
307,389	Grubbe, H. H	Lights, incandescent	Oct. 28, 1884
307,437	Clay, H.	Applications, tools and machines	Nov. 4, 1884
307,461	Hickley, A. S	Batteries, secondary	Nov. 4, 1884
307,462	Hickley, A. S. and Hill, W. S	do	Nov. 4, 1884
307,463	Hickley, A. S	do	Nov. 4, 1884
307,478	Lockwood, T. D	Telephones, electric	Nov. 4, 1884
307,494	Rice, D. H	Telephones, calls	Nov. 4, 1884
307,498	Smith, J. E	Repeaters	Nov. 4, 1884
307,517	Applegate, E. W	Railway-signals	Nov. 4, 1884
307,534	Flad, H.	Car-brakes	Nov. 4, 1884
307,535	Flad, H.	do	Nov. 4, 1884
307,536	Flad, H.	do	Nov. 4, 1884
307,543	Haight, H. J	Indicators	Nov. 4, 1884
307,584	Pendleton, J. M	Lights, arc	Nov. 4, 1884
307,589	Randolph, M.	Telephones, systems	Nov. 4, 1884
307,639	Gilliland, E. T	Cut-outs, thermal	Nov. 4, 1884
307,683	Sheehy, R. J	Lights, arc	Nov. 4, 1884
307,684	Sheehy, R. J	Regulators	Nov. 4, 1884
307,690	Thomas, W. M	do	Nov. 4, 1884
307,696	Wirsching, A. and E.	Telegraphy, printing	Nov. 4, 1884
307,699	Allen, J	Induction-coils	Nov. 4, 1884
307,728	Perrin, T. J	Telephones, electric	Nov. 4, 1884
307,745	Campbell, J. B	Medical and surgical, baths	Nov. 11, 1884
307,759	Glass, W	Lights, incandescent	Nov. 11, 1884
307,760	Hadden, W. and Van Hoevenbergh, H.	Railway-signals	Nov. 11, 1884
307,769	Houston, E. J	Lights, arc	Nov. 11, 1884
307,777	Leggo, W. A	Electro-magnets	Nov. 11, 1884
307,791	Neeper, A. M	Locomotion	Nov. 11, 1884
307,800	Randolph, M.	Telephones, mechanical	Nov. 11, 1884
307,808	Serraillier, A.	Lights, arc	Nov. 11, 1884
307,810	Skinner, J. J	Lights, systems and appliances	Nov. 11, 1884
307,818	Thomson, E.	Cut-outs, electro-magnetic	Nov. 11, 1884
307,819	Thomson, E.	do	Nov. 11, 1884
307,823	Weiss, C. W	Friction-generators	Nov. 11, 1884
307,836	Borchers, C	Keys	Nov. 11, 1884
307,841	Cassagnes, G. A	Telegraphy, printing	Nov. 11, 1884
307,866	Palmer, A. C	Annunciators	Nov. 11, 1884
307,872	Ryckman, W. J	Conductors, underground	Nov. 11, 1884
307,879	Stieringer, L	Lights, systems and appliances	Nov. 11, 1884
307,884	Van Depoele, C. J	Motors	Nov. 11, 1884
307,888	Williams, C. W., Barnum, G. S. and Ives, E. B.	Railway-signals	Nov. 11, 1884
307,916	Cleveland, J. S. and Kent, G. F	Insulators	Nov. 11, 1884
307,945	Hogg, W. S	Batteries, secondary	Nov. 11, 1884
307,984	Phelps, L. J	Telegraphy, railway-car	Nov. 11, 1884
308,019	Van Hoevenbergh, H	Conductors, anti-inductive	Nov. 11, 1884
308,020	Van Hoevenbergh, H	do	Nov. 11, 1884
308,036	McGonegal, H. and Lake, S. D	Telegraphy, fire	Nov. 11, 1884
308,110	Tregurtha, J. and Loring, C. T	Telephones, systems	Nov. 18, 1884
308,120	Wilder, E. R. and Clark, J. P	Thermostats	Nov. 18, 1884
308,165	Jackson, C. A	Telephones, systems	Nov. 18, 1884
308,195	Puffer, E. R	Records	Nov. 18, 1884
308,207	Short, S. H	Magneto-electric	Nov. 18, 1884
308,220	Weaver, A. S	Conductors	Nov. 18, 1884
308,225	Willson, R. W	Clocks	Nov. 18, 1884
308,248	Freeman, J. P	Telephones, systems	Nov. 18, 1884
308,261	Huber, J. L	Cut-outs, mechanical	Nov. 18, 1884
308,269	Marshall, M.	Railway-signals	Nov. 18, 1884
308,273	McIntire, J. N	Telephones, electric	Nov. 18, 1884
308,276	Paine, H. M	Applications, general	Nov. 18, 1884
308,293	Tubbs, A. W	Thermostats	Nov. 18, 1884
308,301	Bradley, J. J	Lights, incandescent	Nov. 18, 1884
308,315	Kellogg, M. G	Telephones, systems	Nov. 18, 1884
308,316	Kronbiegel-Collenbusch, B	Railway-signals	Nov. 18, 1884
308,323	Oros, J. J	Telegraphy, fire	Nov. 18, 1884
308,416	Lasmoles, A	Indicators	Nov. 25, 1884
308,432	Reed, J. D	Telegraphy, railway-car	Nov. 25, 1884
308,487	Goodman, J. and H. M	Meters	Nov. 25, 1884
308,492	Hambay, J. T	Railway-signals	Nov. 25, 1884
308,493	Hambay, J. T	do	Nov. 25, 1884
308,494	Hambay, J. T	do	Nov. 25, 1884

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308,521	Pond, C. H.	Clocks	Nov. 25, 1884
308,533	Toulmin, M.	Railway-signals	Nov. 25, 1884
308,534	Trouvé, G.	Motors	Nov. 25, 1884
308,548	Blodgett, A. D. and Tirrell, J. P.	do	Nov. 25, 1884
308,566	Lockwood, T. D.	Telegraphy, fire	Nov. 25, 1884
308,582	Tucker, I. F.	Telephones, mechanical	Nov. 25, 1884
308,595	Dalzell, J. A.	Lights, arc	Dec. 2, 1884
308,601	Fitch, F. K.	Magneto-electric	Dec. 2, 1884
308,610	Harvey, W. B.	Relays and sounders	Dec. 2, 1884
308,612	Houston, E. J.	Conductors, underground	Dec. 2, 1884
308,620	McCarty, N.	Lights, arc	Dec. 2, 1884
308,660	Fitch, J. M.	Telephones, systems	Dec. 2, 1884
308,712	Vail, J. H.	Lights, incandescent	Dec. 2, 1884
308,713	Vail, J. H.	Lights, systems and appliances	Dec. 2, 1884
308,731	Bailey, H. L.	Clocks	Dec. 2, 1884
308,754	Cushing, F. W.	Telephones, reed	Dec. 2, 1884
308,793	Pond, C. H. and Bailey, H. L.	Clocks	Dec. 2, 1884
308,817	Woods, G. T.	Telephones, electric	Dec. 2, 1884
308,818	Arnold, A. H.	Insulators	Dec. 2, 1884
308,832	Cutten, E. B.	Magneto-electric	Dec. 2, 1884
308,835	Field, S. D.	Telegraphy, dynamo	Dec. 2, 1884
308,845	Lloret y Tepes, J.	Railway-signals	Dec. 2, 1884
308,851	Orton, B. F.	Magneto-electric	Dec. 2, 1884
308,890	Grimshaw, W. D.	Conductors	Dec. 9, 1884
308,897	Herrmann, C.	Transmitters	Dec. 9, 1884
308,908	Lighthill, A. P.	Applications, general	Dec. 9, 1884
308,922	Palmer, W. B.	Transmitters	Dec. 9, 1884
308,954	Draper, O. M.	Insulators	Dec. 9, 1884
308,956	Eckert, W. H.	Telephones, electric	Dec. 9, 1884
308,979	Palmatier, J. M.	Alarms	Dec. 9, 1884
308,992	Roberts, I. L.	Batteries, galvanic	Dec. 9, 1884
309,000	Smith, J. E.	Clocks	Dec. 9, 1884
309,001	Smith, J. E.	do	Dec. 9, 1884
309,012	Van Choate, S. F.	Lights, arc	Dec. 9, 1884
309,064	Kinch, I. S.	Applications, general	Dec. 9, 1884
309,091	Platt, W. K. and Aldrich, G. A.	Conductors, underground	Dec. 9, 1884
309,114	Warner, C. D.	Meters	Dec. 9, 1884
309,126	Boyle, R. K.	Telegraphy, circuits and systems	Dec. 9, 1884
309,167	Sprague, F. J.	Rheostats	Dec. 9, 1884
309,218	Freeman, R. V.	Telephones, systems	Dec. 16, 1884
309,244	Patterson, W. B.	Conductors, underground	Dec. 16, 1884
309,245	Patterson, W. R.	do	Dec. 16, 1884
309,246	Patterson, W. R.	Connectors	Dec. 16, 1884
309,247	Patterson, W. R.	Conductors, underground	Dec. 16, 1884
309,262	Thompson, R. H. S.	Exploding	Dec. 16, 1884
309,267	Weaver, A. S.	Conductors	Dec. 16, 1884
309,269	Weisgerber, W. F.	Clocks	Dec. 16, 1884
309,274	Williams, C. W., Barnum, G. S. and Ives, E. B.	Railway-signals	Dec. 16, 1884
309,293	Case, W. E.	Batteries, secondary	Dec. 16, 1884
309,332	Clarke, H. F.	Telegraphy, printing	Dec. 16, 1884
309,357	Perrin, T. J.	Telephones, systems	Dec. 16, 1884
309,392	Kay, T. L.	Lights, arc	Dec. 16, 1884
309,425	Wickersham, C. H.	Alarms	Dec. 16, 1884
309,450	Fenner, M. D.	Conductors, underground	Dec. 16, 1884
309,454	Gorn, H. A.	Lights, arc	Dec. 16, 1884
309,468	Kilmer, I. A. and M. D.	Conductors	Dec. 16, 1884
309,474	Lowth, J.	Telephones, electric	Dec. 16, 1884
309,475	Lowth, J.	do	Dec. 16, 1884
309,476	Lowth, J.	Telephones, magnetic	Dec. 16, 1884
309,509	Paul, W. and Wood, T. J.	Conductors	Dec. 16, 1884
309,522	Chapman, W. H.	Motors	Dec. 23, 1884
309,536	Freeman, W. K.	Regulators	Dec. 23, 1884
309,560	Orton, B. F.	Magneto-electric	Dec. 23, 1884
309,562	Peck, C. C. and Chapman, W. H.	Motors	Dec. 23, 1884
309,571	Selden, C.	Telegraphy, duplex	Dec. 23, 1884
309,572	Selden, C.	Telegraphy, quadruplex	Dec. 23, 1884
309,573	Selden, C.	do	Dec. 23, 1884
309,585	Vogel, W.	Applications, tools and machines	Dec. 23, 1884
309,600	Brooks, B. A.	Telephones, reed	Dec. 23, 1884
309,606	Danchell, F. H.	Locomotion	Dec. 23, 1884
309,617	Gray, E.	Telephones, calls	Dec. 23, 1884
309,735	Orton, B. F.	Magneto-electric	Dec. 23, 1884
309,742	Semal, F. J.	Telephones, electric	Dec. 23, 1884
309,751	Van Hoevenbergh, H.	Telegraphy, quadruplex	Dec. 23, 1884
309,790	Lungen, A.	Circuit-closers	Dec. 23, 1884
309,791	Lyle, J. D.	Telephones, systems	Dec. 23, 1884
309,809	Trippen, G. and F., jr.	Clocks	Dec. 23, 1884

No.	NAME.	CLASS.	DATE.
309,816	Allen, J. B.	Lights, arc	Dec. 30, 1884
309,835	Etève, E. and De Braam, J. A.	Applications, tools and machines	Dec. 30, 1884
309,838	Faure, C. A.	Batteries, secondary	Dec. 30, 1884
309,886	Shaw, W. A.	do	Dec. 30, 1884
399,897	Thurston, E. H.	Medical and surgical, electrodes	Dec. 30, 1884
309,907	Williams, B.	Conductors, underground	Dec. 30, 1884
309,937	Farmer, M. G.	Meters	Dec. 30, 1884
309,939	Faure, C. A.	Batteries, secondary	Dec. 30, 1884
309,971	Molison, A. R.	Igniting devices, portable	Dec. 30, 1884
310,002	Weiss, C. W.	Igniting devices	Dec. 30, 1884
310,004	Weston, E.	Batteries, galvanic	Dec. 30, 1884
310,059	James, H. L.	Insulators	Dec. 30, 1884
310,068	Miller, W. R.	Telephones, details	Dec. 30, 1884
310,094	Taylor, T. F.	Telephones, systems	Dec. 30, 1884
310,099	Van Ness, J. H. and Bland, M. A.	Dental instruments	Dec. 30, 1884
310,106	Wilson, J. C.	Telegraphy, fire	Dec. 30, 1884
310,119	Buckingham, C. L.	Lights, arc	Dec. 30, 1884
310,124	Davidoff, A.	do	Dec. 30, 1884
310,140	Kram, S. C.	Medical and surgical, body-wear	Dec. 30, 1884
310,145	Moses, O. A.	Lights, incandescent	Dec. 30, 1884
310,146	Murphy, A.	Applications, general	Dec. 30, 1884
310,151	Rogers, J. H.	Telephones, electric	Dec. 30, 1884
310,177	Brady, J.	Connectors	Jan. 6, 1885
310,252	Cauderay, J.	Meters	Jan. 6, 1885
310,258	Cowles, A. A.	Conductors	Jan. 6, 1885
310,271	Griffin, P. H.	Conductors, underground	Jan. 6, 1885
310,282	Jackson, W. A. and Cole, W. R.	Telephones, systems	Jan. 6, 1885
310,302	Moebius, B.	Separators	Jan. 6, 1885
310,345	Watt, H. C.	Conductors	Jan. 6, 1885
310,373	Bryant, T. W.	Lights, incandescent	Jan. 6, 1885
310,379	Cary, J. H.	Telephones, calls	Jan. 6, 1885
310,412	Godfrey, F. M.	Railway-signals	Jan. 6, 1885
310,424	Hess, W. C.	Transmitters	Jan. 6, 1885
310,472	Stanley, W., jr.	Cut-outs, thermal	Jan. 6, 1885
310,516	Hussey, C. A.	Lights, incandescent	Jan. 6, 1885
310,519	Johnson, C. R.	Railway-signals	Jan. 6, 1885
310,530	Mayrhofer, C. A.	Clocks	Jan. 6, 1885
310,533	Moebius, B.	Separators	Jan. 6, 1885
310,558	Bullock, C.	Locomotion	Jan. 13, 1885
310,568	Emery, L. M.	Applications, general	Jan. 13, 1885
310,587	Hathaway, G. M.	Telegraphy, printing	Jan. 13, 1885
310,630	Woolley, L. G.	Lights, arc	Jan. 13, 1885
310,663	Gassett, O.	Lights, systems and appliances	Jan. 13, 1885
310,664	Gassett, O.	Transmission of power	Jan. 13, 1885
310,665	Gassett, O.	Valve-controllers	Jan. 13, 1885
310,684	Jones, F. W.	Telegraphy, duplex	Jan. 13, 1885
310,685	Jones, F. W.	Telegraphy, quadruplex	Jan. 13, 1885
310,724	Rogers, L. H.	Batteries, secondary, applications	Jan. 13, 1885
310,729	Scotland, J. and Cordon, F.	Steering and propulsion	Jan. 13, 1885
310,733	Shaw, J. H.	Induction-coils	Jan. 13, 1885
310,736	Short, S. H.	Lights, arc	Jan. 13, 1885
310,748	Townsend, E. C.	Conductors, underground	Jan. 13, 1885
310,749	Townsend, L. and Moore, R. W.	Annunciators	Jan. 13, 1885
310,750	Townsend, L.	Telephones, systems	Jan. 13, 1885
310,751	Waite, H. E.	Telephones, magnetic	Jan. 13, 1885
310,761	Weston, E.	Lights, incandescent	Jan. 13, 1885
310,762	Weston, E.	Magneto-electric	Jan. 13, 1885
310,763	Weston, E.	Regulators	Jan. 13, 1885
310,780	Boissier, H. R.	Magneto-electric	Jan. 13, 1885
310,781	Boissier, H. R.	Lights, arc	Jan. 13, 1885
310,782	Boissier, H. R.	Magneto-electric	Jan. 13, 1885
310,783	Boissier, H. R.	Lights, arc	Jan. 13, 1885
310,831	Kidder, W. K.	Batteries, galvanic	Jan. 13, 1885
310,837	McCarty, N.	Lights, arc	Jan. 13, 1885
310,876	Brush, C. F.	Magneto-electric	Jan. 20, 1885
310,879	Clark, H. A.	Conductors, anti-inductive	Jan. 20, 1885
310,890	Harrington, F. W.	Telephones, systems	Jan. 20, 1885
310,913	Rogers, W. A.	Applications, tools and machines	Jan. 20, 1885
310,931	Broomhall, G. L.	Insulators	Jan. 20, 1885
310,938	Gilliland, E. T.	Conductors	Jan. 20, 1885
310,957	Muirhead, A.	do	Jan. 20, 1885
310,961	Pratt, H. P.	Telephones, magnetic	Jan. 20, 1885
310,962	Smith, M. H.	Locomotion	Jan. 20, 1885
310,970	Winchester, E. S.	Applications, tools and machines	Jan. 20, 1885
310,993	Farmer, M. G.	Conductors	Jan. 20, 1885
310,995	Farmer, M. G.	do	Jan. 20, 1885
311,007	Kalischer, S.	Batteries, secondary	Jan. 20, 1885

No.	NAME.	CLASS.	DATE.
311,008	Kalischer, S.	Batteries, secondary	Jan. 20, 1885
311,027	O'Keefe, W. F. H.	Alarms, burglar	Jan. 20, 1885
311,050	Winton, H. D.	Railway-signals	Jan. 20, 1885
311,072	Hochhausen, W.	Lights, arc	Jan. 20, 1885
311,073	Hochhausen, W.	do	Jan. 20, 1885
311,074	Hochhausen, W.	do	Jan. 20, 1885
311,100	Bergmann, S.	Lights, systems and appliances	Jan. 20, 1885
311,106	Corey, F. E.	Applications, tools and machines	Jan. 20, 1885
311,115	Fricke, J. R.	Lightning-rods	Jan. 20, 1885
311,130	Johnson, E. H.	Connectors	Jan. 20, 1885
311,131	Klein, P. H., jr.	Lights, systems and appliances	Jan. 20, 1885
311,141	Orton, B. F.	Regulators	Jan. 20, 1885
311,142	Patton, W. P.	Lights, arc	Jan. 20, 1885
311,165	Adams, J. S.	Lights, systems and appliances	Jan. 27, 1885
311,166	Adams, J. S.	do	Jan. 27, 1885
311,174	Clark, H. A.	Conductors, anti-inductive	Jan. 27, 1885
311,180	Ehrlich, L.	Medical and surgical, electrodes	Jan. 27, 1885
311,218	Wright, J. E. and Longstreet, J. H.	Telegraphy, printing	Jan. 27, 1885
311,234	Crane, A. S.	Clocks	Jan. 27, 1885
311,236	Eaton, A. K.	Batteries, secondary	Jan. 27, 1885
311,278	Williams, W.	Applications, general	Jan. 27, 1885
311,330	Kölzer, J.	Repeaters	Jan. 27, 1885
311,381	Shaw, J. H.	Induction-coils	Jan. 27, 1885
311,398	Weston, E.	Lights, systems and appliances	Jan. 27, 1885
311,445	Philippart, S., fils.	Batteries, secondary	Jan. 27, 1885
311,472	Childs, W. A. and Shaw, F.	Annunciators	Feb. 3, 1885
311,516	Orne, C. P.	Batteries, galvanic	Feb. 3, 1885
311,521	Patterson, W. R.	Conductors	Feb. 3, 1885
311,522	Patterson, W. R.	do	Feb. 3, 1885
311,523	Patterson, W. R.	do	Feb. 3, 1885
311,546	Ward, B. B.	Lights, arc	Feb. 3, 1885
311,547	Waterhouse, F. G.	Magneto-electric	Feb. 3, 1885
311,611	Sawyer, W. H.	Connectors	Feb. 3, 1885
311,616	Smith, T. T.	Lights, systems and appliances	Feb. 3, 1885
311,617	Smith, T. T.	do	Feb. 3, 1885
311,630	Young, A. M.	Batteries, galvanic	Feb. 3, 1885
311,681	Sawyer, W. H.	Cut-outs, thermal	Feb. 3, 1885
311,682	Shaw, W. A.	Conductors, anti-inductive	Feb. 3, 1885
311,706	Young, F. H. and Davis, F. I.	Railway-signals	Feb. 3, 1885
311,725	Culp, J. D.	Induction-coils	Feb. 3, 1885
311,739	Foote, I. N.	Medical and surgical, body-wear	Feb. 3, 1885
311,756	Herzog, F. B.	Telegraphy, fire	Feb. 3, 1885
311,757	Herzog, F. B.	do	Feb. 3, 1885
311,820	Doyle, J.	Rheostats	Feb. 3, 1885
311,840	Lane, F.	Igniting devices	Feb. 3, 1885
311,846	Otte, G.	Railway-signals	Feb. 3, 1885
311,852	Roberts, I. L.	Batteries, galvanic	Feb. 3, 1885
311,853	Roberts, I. L.	do	Feb. 3, 1885
311,913	Patterson, W. R.	Conductors	Feb. 10, 1885
311,914	Patterson, W. R.	Connectors	Feb. 10, 1885
311,933	Williams, G. R.	Thermostats	Feb. 10, 1885
311,944	Berthon, L. A.	Telephones, systems	Feb. 10, 1885
311,957	Cardwell, G. A.	Cut-outs, electro-magnetic	Feb. 10, 1885
311,977	Gilliland, J. F.	Telephones, systems	Feb. 10, 1885
311,979	Guest, J. H.	Telephones, electric	Feb. 10, 1885
312,045	Wallace, W. and Wood, T. J.	Conductors	Feb. 10, 1885
312,111	Fitch, F. K.	Magneto-electric	Feb. 10, 1885
312,160	Randall, C. A.	Telephones, electric	Feb. 10, 1885
312,161	Randall, C. A.	do	Feb. 10, 1885
312,162	Randall, C. A.	do	Feb. 10, 1885
312,178	Bacon, M.	Motors	Feb. 10, 1885
312,184	Brush, C. F.	Lights, arc	Feb. 10, 1885
312,231	Timby, T. R.	Exploding	Feb. 10, 1885
312,242	Short, S. H.	Cut-outs, electro-magnetic	Feb. 10, 1885
312,243	Short, S. H.	Lights, arc	Feb. 10, 1885
312,269	Higley, E. N.	Lights, systems and appliances	Feb. 17, 1885
312,285	Miller, S. E.	Igniting devices, portable	Feb. 17, 1885
312,339	Dun, A.	Batteries, galvanic	Feb. 17, 1885
312,340	Dun, A.	do	Feb. 17, 1885
312,365	Lowth, J.	Telephones, magnetic	Feb. 17, 1885
312,366	Lowth, J.	do	Feb. 17, 1885
312,394	Smith, T. T.	Lights, systems and appliances	Feb. 17, 1885
312,405	Thomas, W. P. and Frost, E. J.	Conductors	Feb. 17, 1885
312,409	Waite, H. E.	Telephones, electric	Feb. 17, 1885
312,410	Waite, H. E.	Telephones, systems	Feb. 17, 1885
312,458	Giles, C. K.	Applications, general	Feb. 17, 1885
312,482	Lund, J. A.	Clocks	Feb. 17, 1885

No.	NAME.	CLASS.	DATE.
312,487	McGinnis, W. T.	Medical and surgical, body-wear	Feb. 17, 1885
312,492	Miller, W. R.	Telephones, details	Feb. 17, 1885
312,503	Pease, W. M.	Railway-signals	Feb. 17, 1885
312,504	Pease, W. M.	do	Feb. 17, 1885
312,506	Phelps, L. J.	Telegraphy, railway-car	Feb. 17, 1885
312,511	Recordon, E. F.	Electro-magnets	Feb. 17, 1885
312,529	Thomas, W. M.	Cut-outs, electro-magnetic	Feb. 17, 1885
312,533	Wallace, T.	Telephones, electric	Feb. 17, 1885
312,552	Colby, E. A.	Lights, systems and appliances	Feb. 17, 1885
312,557	Daft, L.	Locomotion	Feb. 17, 1885
312,579	Nordenfelt, T.	Steering and propulsion	Feb. 17, 1885
312,580	O'Malley, P. A.	Connectors	Feb. 17, 1885
312,589	Thomas, W. M.	Lights, systems and appliances	Feb. 17, 1885
312,599	Swan, J. W.	Batteries, secondary	Feb. 17, 1885
312,627	Hadden, W.	Railway-signals	Feb. 24, 1885
312,660	Schmauser, T.	Batteries, galvanic	Feb. 24, 1885
312,670	Strong, H. C.	Relays and sounders	Feb. 24, 1885
312,673	Thompson, C. M. and Eberle, C. R.	Conductors	Feb. 24, 1885
312,698	Bauer, A. H.	Batteries, secondary, applications	Feb. 24, 1885
312,745	Morley, W. M.	Magneto-electric	Feb. 24, 1885
312,755	Patterson, W. R.	Conductors	Feb. 24, 1885
312,789	Adams, F. U.	Lights, systems and appliances	Feb. 24, 1885
312,802	Bradley, C. S.	Batteries, secondary	Feb. 24, 1885
312,803	Bradley, C. S.	Conductors	Feb. 24, 1885
312,807	Brnsh, C. F.	Magneto-electric	Feb. 24, 1885
312,814	Cassel, H. R.	Electrolysis	Feb. 24, 1885
312,831	Farmer, M. G.	Repeaters	Feb. 24, 1885
312,841	Hadden, W.	Telephones, details	Feb. 24, 1885
312,842	Hadden, W.	do	Feb. 24, 1885
312,843	Hadden, W.	Telephones, systems	Feb. 24, 1885
312,871	Lockwood, T. D.	Telephones, electric	Feb. 24, 1885
312,896	Randall, C. A.	Telephones, magnetic	Feb. 24, 1885
312,899	Reid, W. A.	Telegraphy, fire	Feb. 24, 1885
312,939	Wheeler, S. S.	Applications, general	Feb. 24, 1885
312,948	Atkinson, T. E.	do	Feb. 24, 1885
312,951	Barnes, R. F.	Lights, systems and appliances	Feb. 24, 1885
312,958	Bolton, F. J.	do	Feb. 24, 1885
312,985	Du Shane, J.	Cut-outs, electro-magnetic	Feb. 24, 1885
313,006	Lynn, M. N.	Lights, arc	Feb. 24, 1885
313,009	Lynn, M. N.	do	Feb. 24, 1885
313,039	Woolley, L. G.	do	Feb. 24, 1885
313,040	Young, J.	Telegraphy, fire	Feb. 24, 1885
313,053	Campbell, H. F.	Conductors, anti-inductive	Mar. 3, 1885
313,058	Case, W. E.	Batteries, secondary	Mar. 3, 1885
313,091	May, J. B.	Cut-outs, electro-magnetic	Mar. 3, 1885
313,117	Stanley, W., jr.	Batteries, secondary, applications	Mar. 3, 1885
313,147	Wilson, J. C.	Telegraphy, fire	Mar. 3, 1885
313,150	Zalinski, E. L.	Exploding	Mar. 3, 1885
313,175	Cassagnes, G. A.	Telegraphy, printing	Mar. 3, 1885
313,176	Cassagnes, G. A.	do	Mar. 3, 1885
313,215	Lautensack, D.	Batteries, thermal	Mar. 3, 1885
313,247	Sprague, F. J.	Regulators	Mar. 3, 1885
313,298	Burke, C. G.	Telegraphy, multiplex	Mar. 3, 1885
313,305	Eckert, W. H., Seely, J. A. and Eckert, E. A.	Conductors	Mar. 3, 1885
313,313	Gannaway, E.	Valve-controllers	Mar. 3, 1885
313,377	Sawyer, W. H.	Insulators	Mar. 3, 1885
313,380	Shelbourne, S. F.	Conductors, underground	Mar. 3, 1885
313,404	Curtis, E.	Indicators	Mar. 3, 1885
313,409	Eckert, W. H., Seely, J. A. and Eckert, E. A.	Telephones, systems	Mar. 3, 1885
313,410	Eckert, W. H., Seely, J. A. and Eckert, E. A.	Conductors	Mar. 3, 1885
313,436	Mailloux, C. O.	Lights, arc	Mar. 3, 1885
313,437	Mailloux, C. O.	do	Mar. 3, 1885
313,462	Williams, C. W., Ives, E. B. and Barnum, G. S.	Telegraphy, railway-car	Mar. 3, 1885
313,487	Freeman, W. P.	Lights, arc	Mar. 10, 1885
313,488	Freeman, W. P.	Magneto-electric	Mar. 10, 1885
313,489	Freeman, W. P.	do	Mar. 10, 1885
313,513	Neuert, C. A.	Recorders	Mar. 10, 1885
313,523	Prentiss, F. H. and Tilden, J. A.	Thermostats	Mar. 10, 1885
313,546	Sprague, F. J.	Motors	Mar. 10, 1885
313,561	Waterhouse, F. G.	Regulators	Mar. 10, 1885
313,569	Appleton, D.	Electrolysis	Mar. 10, 1885
313,605	Maxwell, G. S.	Circuit-closers	Mar. 10, 1885
313,610	O'Neill, J. J.	Transmitters	Mar. 10, 1885
313,614	Pease, W. M.	Railway-signals	Mar. 10, 1885
313,615	Platt, W. S.	Batteries, galvanic	Mar. 10, 1885
313,616	Platt, W. S.	Connectors	Mar. 10, 1885
313,640	Wright, C. D. and Fisher, C. A.	Cut-outs, electro-magnetic	Mar. 10, 1885

No.	NAME.	CLASS.	DATE.
313,720	Gill, E. R., jr-----	Telephones, calls-----	Mar. 10, 1885
313,726	Haid, A-----	Lights, systems and appliances-----	Mar. 10, 1885
313,731	Harlan, J. A-----	Telephones, systems-----	Mar. 10, 1885
313,746	Man, A-----	Lights, systems and appliances-----	Mar. 10, 1885
313,782	Starr, E. T-----	do-----	Mar. 10, 1885
313,783	Starr, E. T-----	do-----	Mar. 10, 1885
313,784	Tirrell, J. P-----	Indicators-----	Mar. 10, 1885
313,786	Van Hoevenbergh, H-----	Telegraphy, printing-----	Mar. 10, 1885
313,787	Van Hoevenbergh, H-----	Telegraphy, quadruplex-----	Mar. 10, 1885
313,788	Waite, H. E. and Bartlett, S. H-----	Bells-----	Mar. 10, 1885
313,789	Waite, H. E. and Bartlett, S. H-----	do-----	Mar. 10, 1885
313,791	Westbrook, C-----	Telegraphy, automatic-----	Mar. 10, 1885
313,792	Westbrook, C-----	do-----	Mar. 10, 1885
313,805	Callow, J. J-----	Electrolysis-----	Mar. 10, 1885
313,828	Lytile, H. B. and McCoy, J. A-----	Telephones, systems-----	Mar. 10, 1885
313,829	Lytile, H. B. and McCoy, J. A-----	do-----	Mar. 10, 1885
313,830	Meigs, J. V-----	Locomotion-----	Mar. 10, 1885
313,841	Vansize, W. B. and Lockwood, T. D-----	Telephones, systems-----	Mar. 10, 1885
313,884	Reckenzaun, A-----	Magneto-electric-----	Mar. 17, 1885
313,894	Stanley, W., jr-----	do-----	Mar. 17, 1885
313,901	Washburn, C. H-----	Steering and propulsion-----	Mar. 17, 1885
313,941	Kells, C. E., jr-----	Alarms, burglar-----	Mar. 17, 1885
313,965	Swan, A-----	Lights, incandescent-----	Mar. 17, 1885
314,041	McCracken, E. D-----	Electro-magnets-----	Mar. 17, 1885
314,088	Weiss, C. W-----	Friction-generators-----	Mar. 17, 1885
314,115	Edison, T. A. and Kenny, P-----	Telegraphy, automatic-----	Mar. 17, 1885
314,119	Geary, J-----	Igniting devices-----	Mar. 17, 1885
314,155	Taylor, T. F-----	Telephones, electric-----	Mar. 17, 1885
314,156	Taylor, T. F-----	do-----	Mar. 17, 1885
314,157	Taylor, T. F-----	do-----	Mar. 17, 1885
314,167	Curtiss, R. M-----	Applications, tools and machines-----	Mar. 17, 1885
314,188	Muratori, F. L. and Cros, E-----	Alarms-----	Mar. 17, 1885
314,208	White, N. S-----	Lights, incandescent-----	Mar. 17, 1885
314,242	Healy, C. L-----	Magneto-electric-----	Mar. 24, 1885
314,277	Vaughn, W. W. and Eldridge, E. D-----	Heaters-----	Mar. 24, 1885
314,292	Herzog, F. B-----	Transmitters-----	Mar. 24, 1885
314,293	Herzog, F. B-----	Annunciators-----	Mar. 24, 1885
314,294	Herzog, F. B-----	Transmitters-----	Mar. 24, 1885
314,304	Alabaster, H., Gatehouse, T. E. and Kempe, H. R.-----	Telephones, magnetic-----	Mar. 24, 1885
314,305	Alabaster, H. and Gatehouse, T. E-----	Telephones, systems-----	Mar. 24, 1885
314,306	Alabaster, H. and Gatehouse, T. E-----	Telephones, magnetic-----	Mar. 24, 1885
314,307	Alabaster, H. and Gatehouse, T. E-----	Telephones, electric-----	Mar. 24, 1885
314,312	Blake, F-----	do-----	Mar. 24, 1885
314,371	Fitch, J. M-----	Telephones, systems-----	Mar. 24, 1885
314,385	Lawshe, S. R-----	Lightning-rods-----	Mar. 24, 1885
314,386	Lockwood, T. D-----	Telephones, calls-----	Mar. 24, 1885
314,418	Ball, C. M-----	Lights, arc-----	Mar. 24, 1885
314,525	Estienne, E-----	Morse registers-----	Mar. 24, 1885
314,567	Diehl, P-----	Lights, arc-----	Mar. 31, 1885
314,568	Du Bois, J. S-----	Conductors, underground-----	Mar. 31, 1885
314,582	Johnson, E. H-----	Lights, systems and appliances-----	Mar. 31, 1885
314,618	Spruce, J-----	Conductors-----	Mar. 31, 1885
314,634	Weisgerber, W. F-----	Clocks-----	Mar. 31, 1885
314,655	Devey, M. H-----	Conductors, underground-----	Mar. 31, 1885
314,709	Park, H. S-----	Car-brakes-----	Mar. 31, 1885
314,722	Roberts, I. L-----	Batteries, galvanic-----	Mar. 31, 1885
314,760	Waters, W. T-----	Railway-signals-----	Mar. 31, 1885
314,761	Waters, W. T-----	do-----	Mar. 31, 1885
314,762	Waters, W. T-----	do-----	Mar. 31, 1885
314,763	Waters, W. T-----	do-----	Mar. 31, 1885
314,791	Brooks, D., jr-----	Conductors-----	Mar. 31, 1885
314,816	Fisher, F. E-----	Induction-coils-----	Mar. 31, 1885
314,817	Fisher, F. E-----	Telephones, systems-----	Mar. 31, 1885
314,818	Fisher, F. E-----	do-----	Mar. 31, 1885
314,819	Fisher, F. E-----	do-----	Mar. 31, 1885
314,841	Hopkins, G. M-----	Telephones, electric-----	Mar. 31, 1885
314,891	Sprague, F. J-----	Meters-----	Mar. 31, 1885
314,892	Starr, E. T-----	Batteries, secondary-----	Mar. 31, 1885
314,914	Brown, W. A. M. and Porter, J. M-----	Indicators-----	Mar. 31, 1885
314,946	Ludlow, F. C-----	Telephones, mechanical-----	Mar. 31, 1885
314,976	O'Beirne, W. H-----	Lights, systems and appliances-----	Mar. 31, 1885
315,017	Gilliland, J. F-----	Relays and sounders-----	Apr. 7, 1885
315,027	Herzog, F. B-----	Transmitters-----	Apr. 7, 1885
315,028	Hilder, C. F. and Scott, E-----	Separators-----	Apr. 7, 1885
315,030	Hill, E-----	Exploding-----	Apr. 7, 1885
315,035	Holtzer, C. W-----	Annunciators-----	Apr. 7, 1885

No.	NAME.	CLASS.	DATE.
315,055	Norton, J. A	Igniting devices	Apr. 7, 1885
315,056	Norton, J. A	do	Apr. 7, 1885
315,057	Norton, J. A	do	Apr. 7, 1885
315,078	Seligman, H	Telephones, mechanical	Apr. 7, 1885
315,113	Bidwell, B	Locomotion	Apr. 7, 1885
315,121	Cardwell, G. A	Telephones, reed	Apr. 7, 1885
315,122	Cardwell, G. A	Telegraphy, printing	Apr. 7, 1885
315,139	Hall, A. W	Alarms, burglar	Apr. 7, 1885
315,140	Hall, A. W	do	Apr. 7, 1885
315,161	Perkins, C. G	Motors	Apr. 7, 1885
315,179	Sprague, F. J	do	Apr. 7, 1885
315,180	Sprague, F. J	do	Apr. 7, 1885
315,181	Sprague, F. J	do	Apr. 7, 1885
315,182	Sprague, F. J	do	Apr. 7, 1885
315,183	Sprague, F. J	do	Apr. 7, 1885
315,186	Thaxter, G. E	Magnetic locks and bolts	Apr. 7, 1885
315,225	Benjamin, G. H	Conductors, anti-inductive	Apr. 7, 1885
315,265	Farmer, M. G	Electrolysis	Apr. 7, 1885
315,266	Farmer, M. G	do	Apr. 7, 1885
315,313	McDuff, J. E. and Doherty, J. F	Annunciators	Apr. 7, 1885
315,331	Perrin, T. J	Telephones, systems	Apr. 7, 1885
315,332	Perrin, T. J	do	Apr. 7, 1885
315,333	Perrin, T. J	do	Apr. 7, 1885
315,334	Perrin, T. J	do	Apr. 7, 1885
315,339	Reichert, E. T	Batteries, secondary	Apr. 7, 1885
315,340	Reichert, E. T	do	Apr. 7, 1885
315,355	Torrey, A. and Casey, D. J	Recorders	Apr. 7, 1885
315,368	Woods, G. T	Telephones, electric	Apr. 7, 1885
315,391	Denison, S. P	Telegraphy, automatic	Apr. 7, 1885
315,392	Denison, S. P	do	Apr. 7, 1885
315,421	De Loch-Labye, L	Telephones, magnetic	Apr. 7, 1885
315,425	Ludwig, J. C	Telegraphy, circuits and systems	Apr. 7, 1885
315,426	Ludwig, J. C	Keys	Apr. 7, 1885
315,427	Ludwig, J. C	Relays and sounders	Apr. 7, 1885
315,428	Ludwig, J. C	Telegraphy, circuits and systems	Apr. 7, 1885
315,473	Buckley, W. F	Lights, arc	Apr. 14, 1885
315,487	Derrom, A	Conductors	Apr. 14, 1885
315,498	Hall, A. W	Railway-signals	Apr. 14, 1885
315,524	Lynn, M. N	Lights, arc	Apr. 14, 1885
315,526	Macquarrie, D. B	Conductors	Apr. 14, 1885
315,564	Sparrow, F. M	Lights, arc	Apr. 14, 1885
315,568	Stitzel, F. and Weinedel, C	Relays and sounders	Apr. 14, 1885
315,571	Tabourin, G. A	Lights, arc	Apr. 14, 1885
315,586	Winton, H. D	Connectors	Apr. 14, 1885
315,633	Kellogg, H	Conductors	Apr. 14, 1885
315,658	Perrin, T. J	Telephones, systems	Apr. 14, 1885
315,660	Prenzel, H	Insulators	Apr. 14, 1885
315,662	Pullman, S. C	Telegraphy, railway-car	Apr. 14, 1885
315,673	Smith, T. T	Lights, systems and appliances	Apr. 14, 1885
315,674	Smith, T. T	do	Apr. 14, 1885
315,679	Upton, F. R	Lightning-rods	Apr. 14, 1885
315,763	Gilliland, J. F	Relays and sounders	Apr. 14, 1885
315,772	Hadden, W	Railway-signals	Apr. 14, 1885
315,783	Herzog, F. B	Annunciators	Apr. 14, 1885
315,785	Hinds, J. and Stimpson, L. L	Railway-signals	Apr. 14, 1885
315,841	Samuel, E	Conductors	Apr. 14, 1885
315,862	Voelker, W. L	Telephones, electric	Apr. 14, 1885
315,903	Buckley, W. F	Magneto-electric	Apr. 14, 1885
315,937	Haid, A	Batteries, galvanic	Apr. 14, 1885
315,938	Haid, A	do	Apr. 14, 1885
315,941	Herzog, F. B	Annunciators	Apr. 14, 1885
315,954	Lytle, A. E	Conductors, underground	Apr. 14, 1885
316,003	Brangs, P. H	Lights, incandescent	Apr. 21, 1885
316,076	Stevens, W. L	Transmission of power	Apr. 21, 1885
316,077	Stevens, W. L	Cut-outs, thermal	Apr. 21, 1885
316,088	Weston, E	Lights, incandescent	Apr. 21, 1885
316,089	Weston, E	Regulators	Apr. 21, 1885
316,090	Weston, E	Transmission of power	Apr. 21, 1885
316,091	Weston, E	Motors	Apr. 21, 1885
316,092	Weston, E	do	Apr. 21, 1885
316,093	Weston, E	do	Apr. 21, 1885
316,094	Weston, E	Lights, incandescent	Apr. 21, 1885
316,095	Weston, E	Lights, systems and appliances	Apr. 21, 1885
316,096	Weston, E	do	Apr. 21, 1885
316,097	Weston, E	Telephones, switches	Apr. 21, 1885
316,112	Carey, J. E	Clocks	Apr. 21, 1885
316,125	Delany, P. B	Telegraphy, multiplex	Apr. 21, 1885

No.	NAME.	CLASS.	DATE.
316,126	Delany, P. B.	Telegraphy, multiplex	Apr. 21, 1885
316,133	Farmer, M. G.	Telephones, electric	Apr. 21, 1885
316,139	Goldberg, L. and Fyfe, A. L.	Locomotion	Apr. 21, 1885
316,143	Haerry, P.	Induction-coils	Apr. 21, 1885
316,171	Potter, T.	Railway-signals	Apr. 21, 1885
316,183	Roome, H. C.	Alarms, burglar	Apr. 21, 1885
316,201	Tisdale, C. D.	Railway-signals	Apr. 21, 1885
316,204	Waite, H. E. and Bartlett, S. H.	Telephones, electric	Apr. 21, 1885
316,205	Waite, H. E. and Bartlett, S. H.	Telephones, magnetic	Apr. 21, 1885
316,206	Waite, H. E.	do	Apr. 21, 1885
316,238	Clarke, J. H. and Millard, G. W.	Telephones, calls	Apr. 21, 1885
316,240	Colburn, L.	Lights, arc	Apr. 21, 1885
316,260	Greenfield, E. T.	Telephones, magnetic	Apr. 21, 1885
316,302	Stanley, W., jr.	Lights, incandescent	Apr. 21, 1885
316,316	Watt, A.	Motors	Apr. 21, 1885
316,317	Watt, A.	do	Apr. 21, 1885
316,334	Gaulard, L. and Gibbs, J. D.	Induction-coils	Apr. 21, 1885
316,360	Haenichen, F. and O.	Clocks	Apr. 21, 1885
316,376	Lyon, F. G.	Alarms, burglar	Apr. 21, 1885
316,394	Perrin, T. J.	Telephones, systems	Apr. 21, 1885
316,395	Perrin, T. J.	do	Apr. 21, 1885
316,407	Shaw, W. A.	Batteries, secondary	Apr. 21, 1885
316,408	Shaw, W. A.	do	Apr. 21, 1885
316,409	Shaw, W. A.	do	Apr. 21, 1885
316,428	Wright, E. H.	Igniting devices	Apr. 21, 1885
316,429	Wright, E. H.	Igniting devices, portable	Apr. 21, 1885
316,436	Bazin, E.	Batteries, galvanic	Apr. 28, 1885
316,437	Bazin, E.	do	Apr. 28, 1885
316,469	Locke, J. and Bowker, W.	Insulators	Apr. 28, 1885
316,474	McCullough, L. H.	Telegraphy, fire	Apr. 28, 1885
316,475	McCullough, L. H.	do	Apr. 28, 1885
316,476	McCullough, L. H.	Bells	Apr. 28, 1885
316,477	McCullough, L. H.	Transmitters	Apr. 28, 1885
316,494	Smith, A. B.	Telegraphy, printing	Apr. 28, 1885
316,500	Thomas, W. M.	Regulators	Apr. 28, 1885
316,501	Thomas, W. M.	Cut-outs, electro-magnetic	Apr. 28, 1885
316,502	Thomas, W. M.	do	Apr. 28, 1885
316,533	Fournier, G.	Batteries, secondary	Apr. 28, 1885
316,621	Hill, J. H. and Babcock, J. E.	Alarms, burglar	Apr. 28, 1885
316,676	Van Hoevenbergh, H.	Telegraphy, printing	Apr. 28, 1885
316,677	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,678	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,679	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,680	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,681	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,682	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,683	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,684	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,685	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,686	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,687	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,688	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,689	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,690	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,691	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,692	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,693	Van Hoevenbergh, H.	Telegraphy, automatic	Apr. 28, 1885
316,694	Van Hoevenbergh, H.	Telegraphy, printing	Apr. 28, 1885
316,695	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,696	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,697	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,698	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,700	Walter, W.	Conductors, underground	Apr. 28, 1885
316,707	Weston, E.	Lights, systems and appliances	Apr. 28, 1885
316,708	Weston, E.	do	Apr. 28, 1885
316,709	Weston, E.	do	Apr. 28, 1885
316,754	Delany, P. B.	Telegraphy, automatic	Apr. 28, 1885
316,765	Farmer, M. G.	Lights, arc	Apr. 28, 1885
316,791	King, W. W.	do	Apr. 28, 1885
316,812	O'Brien, J.	Insulators	Apr. 28, 1885
316,816	Perrin, T. J.	Telephones, magnetic	Apr. 28, 1885
316,817	Perrin, T. J.	Induction-coils	Apr. 28, 1885
316,818	Perrin, T. J.	Telephones, relays and repeaters	Apr. 28, 1885
316,855	Van Hoevenbergh, H.	Telegraphy, printing	Apr. 28, 1885
316,883	Drawbaugh, G. W.	Telephones, electric	Apr. 28, 1885
316,888	Fuller, J. E.	Telephones, magnetic	Apr. 28, 1885
316,911	Preece, W. H.	Telephones, systems	Apr. 28, 1885

No.	NAME.	CLASS.	DATE.
316,956	Gardanier, G. W	Repeaters	May 5, 1885
316,993	Moses, O. A	Lights, incandescent	May 5, 1885
317,171	Müller, C. H. F	do	May 5, 1885
317,206	Roberts, I. L	Batteries, galvanic	May 5, 1885
317,213	Saxton, O. H	Telephones, systems	May 5, 1885
317,235	Sprague, F. J	Locomotion	May 5, 1885
317,245	Thompson, E. P	Separators	May 5, 1885
317,246	Thompson, E. P	do	May 5, 1885
317,249	Van Depoele, C. J	Motors	May 5, 1885
317,252	Weaver, E. F	Telephones, systems	May 5, 1885
317,289	Boyle, J. C	Alarms	May 5, 1885
317,302	Clarke, T. C	Locomotion	May 5, 1885
317,326	Fagne, S. J	Conductors, underground	May 5, 1885
317,365	Jacobs, M	Applications, general	May 5, 1885
317,409	Monfort, E. A	Exploding	May 5, 1885
317,432	Amet, E. H	Recorders	May 5, 1885
317,445	Drawbaugh, G. W	Telephones, electric	May 5, 1885
317,450	Frenyear, T. C	Circuit-closers	May 5, 1885
317,479	Wright, W. H	Insulators	May 5, 1885
317,487	Barrier, J. J., Tourville, F. and Legay, J. E.	Batteries, secondary	May 12, 1885
317,545	Kinsman, F. E	Exploding	May 12, 1885
317,569	Pevey, C. K	Annunciators	May 12, 1885
317,587	Smith, J. J. C. and M	Conductors	May 12, 1885
317,610	Andrews, W. S	Lights, systems and appliances	May 12, 1885
317,631	Edison, T. A	Lights, incandescent	May 12, 1885
317,632	Edison, T. A	do	May 12, 1885
317,633	Edison, T. A	do	May 12, 1885
317,676	Sawyer, W. E. and Man, A	do	May 12, 1885
317,700	Andrews, W. S	Lights, systems and appliances	May 12, 1885
317,776	Heinrichs, C. F	Lights, incandescent	May 12, 1885
317,777	Heinrichs, C. F	Lights, arc	May 12, 1885
317,778	Heinrichs, C. F	do	May 12, 1885
317,779	Heinrichs, C. F	Magneto-electric	May 12, 1885
317,805	Lange, P. and Lindner, E.	Applications, general	May 12, 1885
317,837	Moser, I. S. and Magee, F	Alarms	May 12, 1885
317,848	Pitcher, H. A	Lightning-arresters	May 12, 1885
317,879	Stieringer, L. and Vail, J. H	Conductors	May 12, 1885
317,887	Thompson, G. K	Connectors	May 12, 1885
317,888	Thornberry, H. S	Anti-induction devices	May 12, 1885
317,892	Troy, D. S	Applications, tools and machines	May 12, 1885
317,893	Troy, D. S	do	May 12, 1885
317,908	Williamson, C.	Lightning-rods	May 12, 1885
317,910	Winton, H. D	Railway-signals	May 12, 1885
317,911	Winton, H. D	do	May 12, 1885
317,912	Wood, F. B	Telegraphy, fire	May 12, 1885
317,960	Allen, J. G	Lights, systems and appliances	May 19, 1885
317,994	Hadden, W	Railway-signals	May 19, 1885
318,057	Tyler, G. R	Telephones, details	May 19, 1885
318,058	Waite, H. E.	Telephones, magnetic	May 19, 1885
318,094	Du Bois, J. S	Magneto-electric	May 19, 1885
318,102	Gilliland, E. T	Telegraphy, railway-car	May 19, 1885
318,157	Andrews, W. S. and Spencer, T	Lights, systems and appliances	May 19, 1885
318,166	Cauderay, J	Meters	May 19, 1885
318,172	Delany, P. B	Applications, general	May 19, 1885
318,186	Hertzog, O. S	Telegraphy, railway-car	May 19, 1885
318,227	Ayer, J. C	Recorders	May 19, 1885
318,233	Clark, J. L	Conductors	May 19, 1885
318,300	Schaefer, H. F. B	Batteries, galvanic	May 19, 1885
318,345	Boyle, R. K	Telegraphy, circuits and systems	May 19, 1885
318,350	Buckley, W. F	Lights, arc	May 19, 1885
318,397	Rounds, J. C	Telephones, mechanical	May 19, 1885
318,411	Banta, W. E	Conductors, underground	May 19, 1885
318,417	Carroll, B. J	Valve-controllers	May 19, 1885
318,423	Freeman, J. P	Telephones, electric	May 19, 1885
318,424	Freeman, J. P	do	May 19, 1885
318,472	Henzel, C	Annunciators	May 26, 1885
318,514	Seely, J. A	Telephones, systems	May 26, 1885
318,547	Dears, C	Lights, systems and appliances	May 26, 1885
318,571	Lytte, H. B. and McCoy, J. A	Lightning-arresters	May 26, 1885
318,589	Woolley, L. G	Motors	May 26, 1885
318,594	Bidwell, B	Locomotion	May 26, 1885
318,612	Gallet, V	Clocks	May 26, 1885
318,616	Hassall, W	Conductors, underground	May 26, 1885
318,647	Palmer, A. H	Bells	May 26, 1885
318,664	Schuyler, D. A	Magneto-electric	May 26, 1885
318,668	Sprague, F. J	Locomotion	May 26, 1885
318,671	Waterhouse, A. G	Magneto-electric	May 26, 1885

No.	NAME.	CLASS.	DATE.
318,828	Swan, J. W	Batteries, secondary	May 26, 1885
318,854	Belt, P. P	Relays and sounders	May 26, 1885
318,907	Husbands, J. D	Telephones, electric	May 26, 1885
318,929	Smith, E. W	Connectors	May 26, 1885
318,932	Trippe, S. L	Separators	May 26, 1885
318,951	Bryant, G. B	Conductors, underground	June 2, 1885
318,987	Holt, A. J	Telephones, switches	June 2, 1885
319,001	McCarthy, L. A	Telegraphy, printing	June 2, 1885
319,023	Pullman, S. C	Telegraphy, railway-car	June 2, 1885
319,041	Van Choate, S. F	Conductors	June 2, 1885
319,042	Waite, H. E	Telephones, electric	June 2, 1885
319,043	Waite, H. E	Telephones, systems	June 2, 1885
319,048	Allen, C. E	Telephones, electric	June 2, 1885
319,053	Barkheimer, J	Alarms, burglar	June 2, 1885
319,079	Ellis, J. W	Conductors	June 2, 1885
319,084	Fleming, J. A	do	June 2, 1885
319,112	Nevius, B. L	Conductors, underground	June 2, 1885
319,129	Roussy, E. L	Lights, incandescant	June 2, 1885
319,177	Bernstein, A	do	June 2, 1885
319,197	Cohlman, W	Conductors, underground	June 2, 1885
319,201	Delmege, J. W	Relays and sounders	June 2, 1885
319,224	Gates, W. L	Applications, general	June 2, 1885
319,259	Hussey, C. A	Clocks	June 2, 1885
319,260	Ide, A. L	Valve-controllers	June 2, 1885
319,300	Morton, W. A	Lightning-rods	June 2, 1885
319,318	Recordon, E. F	Bells	June 2, 1885
319,326	Sawyer, W. H	Connectors	June 2, 1885
319,347	Thomas, W. M	Lights, systems and appliances	June 2, 1885
319,353	Trott, S. E	Lights, incandescant	June 2, 1885
319,380	Arnould, E	Igniting devices	June 2, 1885
319,384	Bergmann, S	Lights, systems and appliances	June 2, 1885
319,415	Johnson, E. H	Telephones, electric	June 2, 1885
319,420	Nevius, B. L	Conductors, underground	June 2, 1885
319,428	Smith, G	Telegraphy, quadruplex	June 2, 1885
319,447	Broomhall, G. L	Insulators	June 9, 1885
319,534	Weisgerber, W. F	Clocks	June 9, 1885
319,536	Williamson, J. J	Conductors	June 9, 1885
319,539	Woolley, L. G	Lights, arc	June 9, 1885
319,540	Woolley, L. G	Magneto-electric	June 9, 1885
319,548	Berthon, A	Telephones, electric	June 9, 1885
319,573	Gale, H. B	Lights, systems and appliances	June 9, 1885
319,578	Hamilton, G. A	Magneto-electric	June 9, 1885
319,580	Heinze, L	Lights, incandescant	June 9, 1885
319,627	Russell, S	Exploding	June 9, 1885
319,628	Russell, S	do	June 9, 1885
319,629	Russell, S	do	June 9, 1885
319,633	Sims, W. S	Steering and propulsion	June 9, 1885
319,635	Soulliere, L	Cut-outs, thermal	June 9, 1885
319,687	Farmer, M. G	Electrolysis	June 9, 1885
319,718	Holeombe, A. G	Telegraphy, fire	June 9, 1885
319,745	Pieper, H., fils	Lights, arc	June 9, 1885
319,770	Winkel, C	Telegraphy, printing	June 9, 1885
319,781	Bossard, A	Lights, arc	June 9, 1885
319,782	Carr, R. B	Indicators	June 9, 1885
319,783	Carr, R. B	Clocks	June 9, 1885
319,789	Comstock, H. W	Telephones, systems	June 9, 1885
319,795	Cowles, E. H. and A. H	Heaters	June 9, 1885
319,805	Fisher, F. E	Applications, tools and machines	June 9, 1885
319,813	Hasskarl, G. C. H	Conductors, underground	June 9, 1885
319,818	Howard, A	Recorders	June 9, 1885
319,855	Scott, G. B	Telegraphy, printing	June 9, 1885
319,856	Shaw, F. and Childs, W. A	Telephones, systems	June 9, 1885
319,898	Frost, J. W	Exploding	June 9, 1885
319,912	Kohrn, W. A. J	Motors	June 9, 1885
319,923	Myers, M. J	Batteries, galvanic	June 9, 1885
319,927	Nutt, S. P	Telephones, electric	June 9, 1885
319,945	Cowles, E. H. and A. H	Heaters	June 9, 1885
319,947	Basto, C	Locomotion	June 16, 1885
319,998	Perkins, C. G	Conductors	June 16, 1885
320,017	Thomson, E. and Rice, E. W	Cut-outs, mechanical	June 16, 1885
320,018	Thomson, E	Lights, arc	June 16, 1885
320,019	Titus, E. C	Telephones, systems	June 16, 1885
320,025	Weis, J	Locomotion	June 16, 1885
320,026	Weston, E	Lights, incandescant	June 16, 1885
320,027	Weston, E	do	June 16, 1885
320,028	Weston, E	Lights, systems and appliances	June 16, 1885
320,029	Weston, E	Lights, incandescant	June 16, 1885

No.	NAME.	CLASS.	DATE.
320,030	Weston, E	Lights, incandescent	June 16, 1885
320,032	Wilson, J. C.	Transmitters	June 16, 1885
320,065	Hussey, C. A.	Igniting devices	June 16, 1885
320,068	Jungerman, E.	Telegraphy, fire	June 16, 1885
320,092	Reckenzaun, A.	Locomotion	June 16, 1885
320,105	White, L. S.	Igniting devices	June 16, 1885
320,106	White, L. S.	do	June 16, 1885
320,117	Cunningham, D. H.	Lights, incandescent	June 16, 1885
320,137	Jackson, C. A.	Motors	June 16, 1885
320,158	Müller, H. J.	Magneto-electric	June 16, 1885
320,170	Rivera, J. M.	do	June 16, 1885
320,181	Seligman, H. and E.	Telephones, mechanical	June 16, 1885
320,200	Winans, W.	Lights, systems and appliances	June 16, 1885
320,229	Delany, P. B.	Conductors, lead-covered	June 16, 1885
320,232	Du Shane, J.	Batteries, secondary	June 16, 1885
320,234	Farmer, M. G.	Regulators	June 16, 1885
320,238	Geary, J.	Circuit-closers	June 16, 1885
320,253	Hoffmann, E. H.	Anti-induction devices	June 16, 1885
320,271	Munson, J. E.	Telegraphy, printing	June 16, 1885
320,272	Munson, J. E.	do	June 16, 1885
320,275	Newman, C. H. and Berrigan, W.	Applications, general	June 16, 1885
320,283	Pope, F. L.	Locomotion	June 16, 1885
320,285	Regan, D. S.	Applications, tools and machines	June 16, 1885
320,297	Schaefer, F.	Lights, incandescent	June 16, 1885
320,311	Taltavall, T. R.	Telegraphy, quadruplex	June 16, 1885
320,376	Mathiesen, C. A.	Telegraphy, printing	June 16, 1885
320,377	Mathieu, J. A.	Electrolysis	June 16, 1885
320,414	Thornberry, H. S.	Anti-induction devices	June 16, 1885
320,438	Lane, T. W.	Telephones, systems	June 16, 1885
320,495	Parrish, M. F. and Munn, S. J.	Telegraphy, railway-car	June 23, 1885
320,504	Root, J. E.	Keys	June 23, 1885
320,515	Van Depoele, C. J.	Motors	June 23, 1885
320,542	Curtis, E.	Indicators	June 23, 1885
320,547	Flemming, O.	Batteries, galvanic	June 23, 1885
320,585	Pfannkuche, G.	Lights, arc	June 23, 1885
320,606	White, L. S.	Igniting devices	June 23, 1885
320,617	Blattmann, C.	Magnetic locks and bolts	June 23, 1885
320,630	Daft, L.	Telephones, switches	June 23, 1885
320,631	Daft, L.	Locomotion	June 23, 1885
320,632	Daft, L.	do	June 23, 1885
320,633	Daft, L.	do	June 23, 1885
320,645	Fischer, C. H.	Lights, systems and appliances	June 23, 1885
320,679	Painter, W.	Locomotion	June 23, 1885
320,684	Platt, W. S.	Conductors	June 23, 1885
320,685	Porter, H. B.	Bells	June 23, 1885
320,717	Stanley, W., jr.	Induction-coils	June 23, 1885
320,739	Yunck, J. A. and Stuetz, J.	Lights, incandescent	June 23, 1885
320,754	Bowman, A. H.	Magneto-electric	June 23, 1885
320,840	Buckingham, C. L.	Regulators	June 23, 1885
320,841	Buckingham, C. L.	Lights, arc	June 23, 1885
320,842	Buckingham, C. L.	Regulators	June 23, 1885
320,843	Buckingham, C. L.	Lights, arc	June 23, 1885
320,912	Cartwright, D. J.	Cut-outs, electro-magnetic	June 30, 1885
320,921	Ferguson, R. S., Schumacher, W. and Tubman, W.	Conductors	June 30, 1885
320,923	Frost, E. F.	Telephones, calls	June 30, 1885
320,935	Holcomb, J. R., J. D. and C. F.	Telephones, mechanical	June 30, 1885
320,975	Scott, G. B.	Telegraphy, printing	June 30, 1885
320,987	Van Rysselberghe, F.	Telegraphy, circuits and systems	June 30, 1885
320,997	Baumau, F.	Clocks	June 30, 1885
321,049	Pendleton, J. M.	Motors	June 30, 1885
321,057	Scribner, C. E.	Telephones, systems	June 30, 1885
321,058	Selden, C.	Telegraphy, fire	June 30, 1885
321,062	Tideman, S.	Clocks	June 30, 1885
321,069	Weiss, C. W.	Recorders	June 30, 1885
321,073	Wood, F. B.	Transmitters	June 30, 1885
321,110	Holcombe, A. G.	Telegraphy, fire	June 30, 1885
321,147	Sprague, F. J.	Motors	June 30, 1885
321,148	Sprague, F. J.	do	June 30, 1885
321,149	Sprague, F. J.	do	June 30, 1885
321,150	Sprague, F. J.	do	June 30, 1885
321,235	McCarty, W. F. C. M.	Lightning-arresters	June 30, 1885
321,240	Patterson, W. R.	Conductors	June 30, 1885
321,278	Clarke, G. P. and Harsin, G.	Medical and surgical, electrodes	June 30, 1885
321,285	Doyle, J.	Rheostats	June 30, 1885
321,309	Moses, O. A.	Lights, incandescent	June 30, 1885
321,323	Thornberry, H. S.	Telephones, electric	June 30, 1885

No.	NAME.	CLASS.	DATE.
321,363	Hurlbut, D. N.-----	Conductors, underground -----	June 30, 1885
321,387	Roth, C. W.-----	Recorders-----	June 30, 1885
321,390	Scribner, C. E.-----	Telephones, systems-----	June 30, 1885
321,391	Scribner, C. E.-----	do -----	June 30, 1885
321,404	Van Rysselberghe, F.-----	Telegraphy, circuits and systems-----	June 30, 1885

REISSUES.

10,498	Oliver, H. W., jr.-----	Applications, tools and machines, reissue of 299,572.	July 15, 1884
10,507	Barker, R.-----	Separators, reissue of 273,011-----	Aug. 12, 1884
10,508	Hamlin, E. B.-----	Telephones, systems, reissue of 279,747 -----	Aug. 12, 1884
10,525	Graydon, J. W.-----	Exploding, reissue of 270,950-----	Sept. 23, 1884
10,526	Graydon, J. W.-----	Exploding, reissue of 270,950-----	Sept. 23, 1884
10,527	Graydon, J. W.-----	Exploding, reissue of 270,950-----	Sept. 23, 1884
10,533	Hazazer, E. W.-----	Bells, reissue of 300,253-----	Oct. 21, 1884
10,542	Pope, F. L. and Edison, T. A.-----	Telegraphy, printing, reissue of reissue 7,621	Dec. 9, 1884
10,544	Brush, C. F.-----	Lights, arc, reissue of 196,425 -----	Dec. 23, 1884
10,563	Patterson, W. R.-----	Conductors, reissue of 306,513 -----	Feb. 24, 1885
10,585	Wheeler, S. S.-----	Applications, general, reissue of 273,208 -----	Apr. 21, 1885



APPENDIX No. IV.

PART III.

CONSISTING OF AN

ALPHABETICAL INDEX OF ALL PATENTS

RELATING TO

ELECTRICITY

Issued from July 1, 1884, to June 30, 1885, inclusive, giving names of Inventors, numbers and dates of Patents, and the sub-class to which each belongs.

ALPHABETICAL INDEX

OF

PATENTS RELATING TO ELECTRICITY

FROM JULY 1, 1884, TO JUNE 30, 1885.

No.	NAME.	CLASS.	DATE.
312,789	Adams, F. U	Lights, systems and appliances	Feb. 24, 1885
311,165	Adams, J. S	do	Jan. 27, 1885
311,166	Adams, J. S	do	Jan. 27, 1885
314,305	Alabaster, H. and Gatehouse, T. E	Telephones, systems	Mar. 24, 1885
314,306	Alabaster, H. and Gatehouse, T. E	Telephones, magnetic	Mar. 24, 1885
314,307	Alabaster, H. and Gatehouse, T. E	Telephones, electric	Mar. 24, 1885
314,304	Alabaster, H., Gatehouse, T. E. and Kempe, H. R.	Telephones, magnetic	Mar. 24, 1885
306,044	Allen, C. E	Telephones, relays and repeaters	Oct. 7, 1884
319,048	Allen, C. E	Telephones, electric	June 2, 1885
301,320	Allen, G. M	Applications, tools and machines	July 1, 1884
307,699	Allen, J	Induction-coils	Nov. 4, 1884
309,816	Allen, J. B	Lights, arc	Dec. 30, 1884
317,960	Allen, J. G	Lights, systems and appliances	May 19, 1885
305,262	Ames, T	Transmitters	Sept. 16, 1884
317,432	Amet, E. H	Recorders	May 5, 1885
306,457	Anders, G. L	Telephones, systems	Oct. 14, 1884
304,059	Anderson, R	Transmitters	Aug. 26, 1884
317,610	Andrews, W. S	Lights, systems and appliances	May 12, 1885
317,700	Andrews, W. S	do	May 12, 1885
318,157	Andrews, W. S. and Spencer, T	do	May 19, 1885
307,517	Applegate, E. W	Railway-signals	Nov. 4, 1884
313,569	Appleton, D	Electrolysis	Mar. 10, 1885
308,818	Arnold, A. H	Insulators	Dec. 2, 1884
319,380	Arnould, E	Igniting devices	June 2, 1885
312,948	Atkinson, T. E	Applications, general	Feb. 24, 1885
306,805	Atwater, J. B	Motors	Oct. 21, 1884
318,227	Ayer, J. C	Recorders	May 19, 1885
312,178	Bacon, M	Motors	Feb. 10, 1885
303,483	Bailey, C. DeR	Insulators	Aug. 12, 1884
302,972	Bailey, H. L	Connectors	Aug. 5, 1884
308,731	Bailey, H. L	Clocks	Dec. 2, 1884
304,593	Baker, J	Lights, systems and appliances	Sept. 2, 1884
301,550	Ball, C. M	Lights, arc	July 8, 1884
301,551	Ball, C. M	do	July 8, 1884
303,202	Ball, C. M	Lights, incandescent	Aug. 5, 1884
314,418	Ball, C. M	Lights, arc	Mar. 24, 1885
301,203	Bannister, L. and Blodget, L	Conductors, underground	July 1, 1884
318,411	Banta, W. E	do	May 19, 1885
319,053	Barkheimer, J	Alarms, burglar	June 2, 1885
303,553	Barnard, D. G	Telephones, systems	Aug. 12, 1884
312,951	Barnes, R. F	Lights, systems and appliances	Feb. 24, 1885
317,487	Barrier, J. J., Tourvieille, F. and Legay, J. E	Batteries, secondary	May 12, 1885
304,595	Barschig, C. E	Clocks	Sept. 2, 1884
306,050	Bartlett, S. H	Telephones, systems	Oct. 7, 1884
305,499	Barton, W. H. H	Indicators	Sept. 23, 1884
304,897	Basset, N	Batteries, galvanic	Sept. 9, 1884
306,051	Basset, N	Batteries, secondary	Oct. 7, 1884
319,947	Basto, C	Locomotion	June 16, 1885
312,698	Bauer, A. H	Batteries, secondary, applications	Feb. 24, 1885
320,997	Bauman, F	Clocks	June 30, 1885
306,993	Baxter, W., jr	Lights, systems and appliances	Oct. 21, 1884
316,436	Bazin, E	Batteries, galvanic	Apr. 28, 1885
316,437	Bazin, E	do	Apr. 28, 1885
307,081	Bear, S	Separators	Oct. 28, 1884
307,082	Bear, S	do	Oct. 28, 1884
303,357	Beck, C. F	Lights, incandescent	Aug. 12, 1884
303,358	Beck, C. F	do	Aug. 12, 1884
318,854	Belt, P. P	Relays and sounders	May 26, 1885

No.	NAME.	CLASS.	DATE.
302,883	Benjamin, G. H	Conductors, underground	Aug. 5, 1884
315,225	Benjamin, G. H	Conductors, anti-inductive	Apr. 7, 1885
307,166	Benson, J. W	Lights, incandescent	Oct. 28, 1884
302,377	Bentley, E. M	Conductors, anti-inductive	July 22, 1884
302,378	Bentley, E. M	do	July 22, 1884
305,729	Bentley, E. M	Locomotion	Sept. 23, 1884
306,315	Bentley, E. M	do	Oct. 7, 1884
307,261	Benton, C. H	Magneto-electric	Oct. 28, 1884
311,100	Bergmann, S	Lights, systems and appliances	Jan. 20, 1885
319,384	Bergmann, S	do	June 2, 1885
319,177	Bernstein, A	Lights, incandescent	June 2, 1885
319,548	Berthon, A	Telephones, electric	June 9, 1885
311,944	Berthon, L. A	Telephones, systems	Feb. 10, 1885
305,730	Bidwell, B	Locomotion	Sept. 23, 1884
315,113	Bidwell, B	do	Apr. 7, 1885
318,594	Bidwell, B	do	May 26, 1885
303,109	Birge, E. B	Telegraphy, fire	Aug. 5, 1884
314,312	Blake, F	Telephones, electric	Mar. 24, 1885
320,617	Blattmann, C	Magnetic locks and bolts	June 23, 1885
308,548	Blodgett, A. D. and Tirrell, J. P	Motors	Nov. 25, 1884
302,821	Blodgett, A. D. and Winton, H. D	Railway-signals	July 29, 1884
302,539	Bobrick, G. A	Alarms	July 29, 1884
303,614	Boettcher, E	Lights, arc	Aug. 19, 1884
306,128	Bogart, A. L	Igniting devices	Oct. 7, 1884
310,780	Boissier, H. R	Magneto-electric	Jan. 13, 1885
310,781	Boissier, H. R	Lights, arc	Jan. 13, 1885
310,782	Boissier, H. R	Magneto-electric	Jan. 13, 1885
310,783	Boissier, H. R	Lights, arc	Jan. 13, 1885
312,958	Bolton, F. J	Lights, systems and appliances	Feb. 24, 1885
303,911	Boone, J	Recorders	Aug. 19, 1884
307,836	Borchers, C	Keys	Nov. 11, 1884
319,781	Bossard, A	Lights, arc	June 9, 1885
320,754	Bowman, A. H	Magneto-electric	June 23, 1885
304,901	Bowron, G. and Hibbert, W	Lights, incandescent	Sept. 9, 1884
317,289	Boyle, J. C	Alarms	May 5, 1885
309,126	Boyle, R. K	Telegraphy, circuits and systems	Dec. 9, 1884
318,345	Boyle, R. K	do	May 19, 1885
302,976	Brackett, C. F	Meters	Aug. 5, 1884
312,802	Bradley, C. S	Batteries, secondary	Feb. 24, 1885
312,803	Bradley, C. S	Conductors	Feb. 24, 1885
308,301	Bradley, J. J	Lights, incandescent	Nov. 18, 1884
303,488	Bradley, S	Lightning-rods	Aug. 12, 1884
305,140	Bradley, S	do	Sept. 16, 1884
310,177	Brady, J	Connectors	Jan. 6, 1885
316,003	Brangs, P. H	Lights, incandescent	Apr. 21, 1885
303,803	Brisbane, A. and Gillham, R	Applications, tools and machines	Aug. 19, 1884
309,600	Brooks, B. A	Telephones, reed	Dec. 23, 1884
314,791	Brooks, D., jr	Conductors	Mar. 31, 1885
303,261	Broomhall, G. L	Insulators	Aug. 12, 1884
304,699	Broomhall, G. L	do	Sept. 9, 1884
310,931	Broomhall, G. L	do	Jan. 20, 1885
319,447	Broomhall, G. L	do	June 9, 1885
303,917	Brown, J. R	Telegraphy, fire	Aug. 19, 1884
314,914	Brown, W. A. M. and Porter, J. M	Indicators	Mar. 31, 1885
302,319	Brush, C. F	Magneto-electric	July 22, 1884
310,876	Brush, C. F	do	Jan. 20, 1885
312,184	Brush, C. F	Lights, arc	Feb. 10, 1885
312,807	Brush, C. F	Magneto-electric	Feb. 24, 1885
318,951	Bryant, G. B	Conductors, underground	June 2, 1885
305,045	Bryant, T. W	Circuit-closers	Sept. 16, 1884
305,046	Bryant, T. W	Batteries, galvanic	Sept. 16, 1884
310,373	Bryant, T. W	Lights, incandescent	Jan. 6, 1885
310,119	Buckingham, C. L	Lights, arc	Dec. 30, 1884
320,840	Buckingham, C. L	Regulators	June 23, 1885
320,841	Buckingham, C. L	Lights, arc	June 23, 1885
320,842	Buckingham, C. L	Regulators	June 23, 1885
320,843	Buckingham, C. L	Lights, arc	June 23, 1885
315,473	Buckley, W. F	do	Apr. 14, 1885
315,903	Buckley, W. F	Magneto-electric	Apr. 14, 1885
318,350	Buckley, W. F	Lights, arc	May 19, 1885
302,980	Buell, C. E	Telegraphy, fire	Aug. 5, 1884
310,558	Bullock, C	Locomotion	Jan. 13, 1885
306,055	Burke, C. G	Telegraphy, printing	Oct. 7, 1884
306,056	Burke, C. G	do	Oct. 7, 1884
313,298	Burke, C. G	Telegraphy, multiplex	Mar. 3, 1885
304,989	Cabell, S. G	Incrustation	Sept. 9, 1884
304,170	Cady, F. D	Conductors	Aug. 26, 1884

No.	NAME.	CLASS.	DATE.
313,805	Callow, J. J.	Electrolysis	Mar. 10, 1885
313,053	Campbell, H. F.	Conductors, anti-inductive	Mar. 3, 1885
307,745	Campbell, J. B.	Medical and surgical, baths	Nov. 11, 1884
311,957	Cardwell, G. A.	Cut-outs, electro-magnetic	Feb. 10, 1885
315,121	Cardwell, G. A.	Telephones, reed	Apr. 7, 1885
315,122	Cardwell, G. A.	Telegraphy, printing	Apr. 7, 1885
316,112	Carey, J. E.	Clocks	Apr. 21, 1885
319,782	Carr, R. B.	Indicators	June 9, 1885
319,783	Carr, R. B.	Clocks	June 9, 1885
318,417	Carroll, B. J.	Valve-controllers	May 19, 1885
320,912	Cartwright, D. J.	Cut-outs, electro-magnetic	June 30, 1885
310,379	Cary, J. H.	Telephones, calls	Jan. 6, 1885
305,737	Case, W. E.	Batteries, secondary	Sept. 30, 1884
309,293	Case, W. E.	do	Dec. 16, 1884
313,058	Case, W. E.	do	Mar. 3, 1885
307,841	Cassagnes, G. A.	Telegraphy, printing	Nov. 11, 1884
313,175	Cassagnes, G. A.	do	Mar. 3, 1885
313,176	Cassagnes, G. A.	do	Mar. 3, 1885
312,814	Cassel, H. R.	Electrolysis	Feb. 24, 1885
310,252	Cauderay, J.	Meters	Jan. 6, 1885
318,166	Cauderay, J.	do	May 19, 1885
305,147	Chandler, T. P., jr.	Locomotion	Sept. 16, 1884
309,522	Chapman, W. H.	Motors	Dec. 23, 1884
306,057	Chase, H. A.	Conductors, underground	Oct. 7, 1884
311,472	Childs, W. A. and Shaw, F.	Annunciators	Feb. 3, 1885
306,718	Clark, E.	Insulators	Oct. 21, 1884
306,719	Clark, E.	do	Oct. 21, 1884
310,879	Clark, H. A.	Conductors, anti-inductive	Jan. 20, 1885
311,174	Clark, H. A.	do	Jan. 27, 1885
318,233	Clark, J. L.	Conductors	May 19, 1885
307,095	Clark, O. H.	Railway-signals	Oct. 28, 1884
307,096	Clark, O. H.	do	Oct. 28, 1884
307,097	Clark, O. H.	do	Oct. 28, 1884
307,098	Clark, O. H.	do	Oct. 28, 1884
307,099	Clark, O. H.	do	Oct. 28, 1884
301,805	Clarke, C. L.	Clocks	July 8, 1884
304,907	Clarke, C. L.	Meters	Sept. 9, 1884
304,908	Clarke, C. L.	Annunciators	Sept. 9, 1884
305,894	Clarke, C. L.	Induction-coils	Sept. 30, 1884
321,278	Clarke, G. P. and Harsin, G.	Medical and surgical, electrodes	June 30, 1885
309,332	Clarke, H. F.	Telegraphy, printing	Dec. 16, 1884
316,238	Clarke, J. H. and Millard, G. W.	Telephones, calls	Apr. 21, 1885
317,302	Clarke, T. C.	Locomotion	May 5, 1885
307,437	Clay, H.	Applications, tools and machines	Nov. 4, 1884
303,560	Cleland, T.	Batteries, galvanic	Aug. 12, 1884
303,620	Clérac, H. L. G. and Guérault, P. G. R.	Valve-controllers	Aug. 19, 1884
307,916	Cleveland, J. S. and Kent, G. F.	Insulators	Nov. 11, 1884
319,197	Cohlman, W.	Conductors, underground	June 2, 1885
316,240	Colburn, L.	Lights, arc	Apr. 21, 1885
312,552	Colby, E. A.	Lights, systems and appliances	Feb. 17, 1885
319,789	Comstock, H. W.	Telephones, systems	June 9, 1885
303,809	Congdon, A. F.	Telephones, magnetic	Aug. 19, 1884
303,810	Congdon, A. F.	Telephones, electric	Aug. 19, 1884
311,106	Corey, F. E.	Applications, tools and machines	Jan. 20, 1885
310,258	Cowles, A. A.	Conductors	Jan. 6, 1885
319,795	Cowles, E. H. and A. H.	Heaters	June 9, 1885
319,945	Cowles, E. H. and A. H.	do	June 9, 1885
301,569	Crane, A. S.	Clocks	July 8, 1884
311,234	Crane, A. S.	do	Jan. 27, 1885
302,827	Cruto, A.	Lights, systems and appliances	July 29, 1884
311,725	Culp, J. D.	Induction-coils	Feb. 3, 1885
306,225	Cummings, C.	Relays and sounders	Oct. 7, 1884
320,117	Cunningham, D. H.	Lights, incandescent	June 16, 1885
303,626	Curl, W. P. and J. H.	Annunciators	Aug. 19, 1884
313,404	Curtis, E.	Indicators	Mar. 3, 1885
320,542	Curtis, E.	do	June 23, 1885
314,167	Curtiss, R. M.	Applications, tools and machines	Mar. 17, 1885
308,754	Cushing, F. W.	Telephones, reed	Dec. 2, 1884
308,832	Cutten, E. B.	Magneto-electric	Dec. 2, 1884
312,557	Daft, L.	Locomotion	Feb. 17, 1885
320,630	Daft, L.	Telephones, switches	June 23, 1885
320,631	Daft, L.	Locomotion	June 23, 1885
320,632	Daft, L.	do	June 23, 1885
320,633	Daft, L.	do	June 23, 1885
308,595	Dalzell, J. A.	Lights, arc	Dec. 2, 1884
309,606	Danchell, F. H.	Locomotion	Dec. 23, 1884
305,431	David, W. G.	Meters	Sept. 23, 1884

No.	NAME.	CLASS.	DATE.
310,124	Davidoff, A	Lights, are	Dec. 30, 1884
305,901	Davis, W. S	Telephones, electric	Sept. 30, 1884
303,496	Day, L. H	Applications, general	Aug. 12, 1884
318,547	Deavys, C	Lights, systems and appliances	May 26, 1885
302,623	De Khotinsky, A	Batteries, secondary	July 29, 1884
316,125	Delany, P. B	Telegraphy, multiplex	Apr. 21, 1885
316,126	Delany, P. B	do	Apr. 21, 1885
316,754	Delany, P. B	Telegraphy, automatic	Apr. 28, 1885
318,172	Delany, P. B	Applications, general	May 19, 1885
320,229	Delany, P. B	Conductors, lead-covered	June 16, 1885
304,413	Della-Torre, F	Telephones, details	Sept. 2, 1884
319,201	Delmege, J. W	Relays and sounders	June 2, 1885
315,421	De Loch-Labye, L	Telephones, magnetic	Apr. 7, 1885
315,391	Denison, S. P	Telegraphy, automatic	Apr. 7, 1885
315,392	Denison, S. P	do	Apr. 7, 1885
306,005	Denuis, T. L	Lights, are	Sept. 30, 1884
307,104	Dennis, T. L	do	Oct. 28, 1884
307,184	Derrom, A	Conductors	Oct. 28, 1884
315,487	Derrom, A	do	Apr. 14, 1885
314,655	Devey, M. H	Conductors, underground	Mar. 31, 1885
314,567	Diehl, P	Lights, are	Mar. 31, 1885
307,270	Dornfeld, C	Lights, incandescent	Oct. 28, 1884
305,904	Dorsett, D. H	Conductors, underground	Sept. 30, 1884
311,820	Doyle, J	Rheostats	Feb. 3, 1885
321,285	Doyle, J	do	June 30, 1885
307,025	Draper, O. M	Insulators	Oct. 21, 1884
308,954	Draper, O. M	do	Dec. 9, 1884
303,627	Drawbaugh, D	Telephones, electric	Aug. 19, 1884
303,628	Drawbaugh, D	do	Aug. 19, 1884
303,629	Drawbaugh, D	Telephones, magnetic	Aug. 19, 1884
307,026	Drawbaugh, D	Telephones, electric	Oct. 21, 1884
316,883	Drawbaugh, G. W	do	Apr. 28, 1885
317,445	Drawbaugh, G. W	do	May 5, 1885
314,568	Du Bois, J. S	Conductors, underground	Mar. 31, 1885
318,094	Du Bois, J. S	Magneto-electric	May 19, 1885
312,339	Dun, A	Batteries, galvanic	Feb. 17, 1885
312,340	Dun, A	do	Feb. 17, 1885
303,924	Duplain, F. P	Conductors, underground	Aug. 19, 1884
307,106	Durant, G. F	Telephones, systems	Oct. 28, 1884
312,985	Du Shane, J	Cut-outs, electro-magnetic	Feb. 24, 1885
320,232	Du Shane, J	Batteries, secondary	June 16, 1885
305,164	Dyer, R. N	Lights, systems and appliances	Sept. 16, 1884
311,236	Eaton, A. K	Batteries, secondary	Jan. 27, 1885
308,956	Eekert, W. H	Telephones, electric	Dec. 9, 1884
313,305	Eekert, W. H., Seely, J. A. and Eekert, E. A	Conductors	Mar. 3, 1885
313,409	Eekert, W. H., Seely, J. A. and Eekert, E. A	Telephones, systems	Mar. 3, 1885
313,410	Eekert, W. H., Seely, J. A. and Eekert, E. A	Conductors	Mar. 3, 1885
304,082	Edison, T. A	Meters	Aug. 26, 1884
304,083	Edison, T. A	Magneto-electric	Aug. 26, 1884
304,084	Edison, T. A	Lightning-arresters	Aug. 26, 1884
304,085	Edison, T. A	Lights, systems and appliances	Aug. 26, 1884
304,086	Edison, T. A	Lights, incandescent	Aug. 26, 1884
304,087	Edison, T. A	Conductors	Aug. 26, 1884
307,029	Edison, T. A	Lights, incandescent	Oct. 21, 1884
307,030	Edison, T. A	Meters	Oct. 21, 1884
307,031	Edison, T. A	do	Oct. 21, 1884
317,631	Edison, T. A	Lights, incandescent	May 12, 1885
317,632	Edison, T. A	do	May 12, 1885
317,633	Edison, T. A	do	May 12, 1885
314,115	Edison, T. A. and Kenny, P	Telegraphy, automatic	Mar. 17, 1885
301,872	Edwards, E. A	Magneto-electric	July 15, 1884
311,180	Ehrlich, L	Medical and surgical, electrodes	Jan. 27, 1885
305,906	Eils, B. E. J	Telegraphy, quadruplex	Sept. 30, 1884
305,907	Eils, B. E. J	do	Sept. 30, 1884
305,908	Eils, B. E. J	do	Sept. 30, 1884
305,909	Eils, B. E. J	do	Sept. 30, 1884
303,714	Eldred, H. H	Telephones, systems	Aug. 19, 1884
319,079	Ellis, J. W	Conductors	June 2, 1885
310,568	Emery, L. M	Applications, general	Jan. 13, 1885
302,627	Espeut, W. B	Magneto-electric	July 29, 1884
314,525	Estienne, E	Morse registers	Mar. 24, 1885
309,835	Etève, E. and De Braam, J. A	Applications, tools and machines	Dec. 30, 1884
317,326	Fague, S. J	Conductors, underground	May 5, 1885
309,937	Farmer, M. G	Meters	Dec. 30, 1884
310,993	Farmer, M. G	Conductors	Jan. 20, 1885
310,995	Farmer, M. G	do	Jan. 20, 1885
312,831	Farmer, M. G	Repeaters	Feb. 24, 1885

No.	NAME.	CLASS.	DATE.
315,265	Farmer, M. G	Electrolysis	Apr. 7, 1885
315,266	Farmer, M. G	do	Apr. 7, 1885
316,133	Farmer, M. G	Telephones, electric	Apr. 21, 1885
316,765	Farmer, M. G	Lights, arc	Apr. 28, 1885
319,687	Farmer, M. G	Electrolysis	June 9, 1885
320,234	Farmer, M. G	Regulators	June 16, 1885
305,747	Farnham, I. H	Applications, tools and machines	Sept. 30, 1884
309,838	Faure, C. A	Batteries, secondary	Dec. 30, 1884
309,939	Faure, C. A	do	Dec. 30, 1884
306,817	Fearey, J	Telephones, systems	Oct. 21, 1884
306,818	Fearey, J	do	Oct. 21, 1884
309,450	Fenner, M. D	Conductors, underground	Dec. 16, 1884
320,921	Ferguson, R. S., Schumacher, W. and Tubman, W.	Conductors	June 30, 1885
308,835	Field, S. D	Telegraphy, dyuamo	Dec. 2, 1884
320,645	Fischer, C. H	Lights, systems and appliances	June 23, 1885
314,816	Fisher, F. E	Induction-coils	Mar. 31, 1885
314,817	Fisher, F. E	Telephones, systems	Mar. 31, 1885
314,818	Fisher, F. E	do	Mar. 31, 1885
314,819	Fisher, F. E	do	Mar. 31, 1885
319,805	Fisher, F. E	Applications, tools and machines	June 9, 1885
308,601	Fitch, F. K	Magneto-electric	Dec. 2, 1884
312,111	Fitch, F. K	do	Feb. 10, 1885
308,660	Fitch, J. M	Telephones, systems	Dec. 2, 1884
314,371	Fitch, J. M	do	Mar. 24, 1885
301,351	Fitz Gerald, D. G	Batteries, secondary	July 1, 1884
304,518	Fix, W. and Herrmann, C	Transmitters	Sept. 2, 1884
307,534	Flad, H	Car-brakes	Nov. 4, 1884
307,535	Flad, H	do	Nov. 4, 1884
307,536	Flad, H	do	Nov. 4, 1884
319,084	Fleming, J. A	Conductors	June 2, 1885
320,547	Flemming, O	Batteries, galvanic	June 23, 1885
311,739	Foote, I. N	Medical and surgical, body-wear	Feb. 3, 1885
316,533	Fournier, G	Batteries, secondary	Apr. 28, 1885
308,248	Freeman, J. P	Telephones, systems	Nov. 18, 1884
318,423	Freeman, J. P	Telephones, electric	May 19, 1885
318,424	Freeman, J. P	do	May 19, 1885
309,218	Freeman, E. V	Telephones, systems	Dec. 16, 1884
302,553	Freeman, W. K	Lights, arc	July 29, 1884
302,554	Freeman, W. K	Magneto-electric	July 29, 1884
302,555	Freeman, W. K	do	July 29, 1884
302,556	Freeman, W. K	do	July 29, 1884
302,557	Freeman, W. K	do	July 29, 1884
309,536	Freeman, W. K	Regulators	Dec. 23, 1884
313,487	Freeman, W. P	Lights, arc	Mar. 10, 1885
313,488	Freeman, W. P	Magneto-electric	Mar. 10, 1885
313,489	Freeman, W. P	do	Mar. 10, 1885
317,450	Frenyear, T. C	Circuit-closers	May 5, 1885
311,115	Fricke, J. R	Lightning-rods	Jan. 20, 1885
320,923	Frost, E. F	Telephones, calls	June 30, 1885
319,898	Frost, J. W	Exploding	June 9, 1885
304,265	Fuller, I. D	Batteries, galvanic	Aug. 26, 1884
316,888	Fuller, J. E	Telephones, magnetic	Apr. 28, 1885
302,475	Fullerton, G. E	Railway-signals	July 22, 1884
301,108	Furness, A. W	Telegraph-poles	July 1, 1884
319,573	Gale, H. B	Lights, systems and appliances	June 9, 1885
318,612	Gallet, V	Clocks	May 26, 1885
313,313	Gannaway, E	Valve-controllers	Mar. 3, 1885
316,956	Gardanier, G. W	Repeaters	May 5, 1885
306,478	Gardner, P. G., jr	Conductors	Oct. 14, 1884
307,287	Gardner, W. F	Clocks	Oct. 28, 1884
303,567	Gary, W. W	Railway-signals	Aug. 12, 1884
310,663	Gassett, O	Lights, systems and appliances	Jan. 13, 1885
310,664	Gassett, O	Transmission of power	Jan. 13, 1885
310,665	Gassett, O	Valve-controllers	Jan. 13, 1885
319,224	Gates, W. L	Applications, general	June 2, 1885
316,354	Ganlard, L. and Gibbs, J. D	Induction-coils	Apr. 21, 1885
314,119	Geary, J	Igniting devices	Mar. 17, 1885
320,238	Geary, J	Circuit-closers	June 16, 1885
302,836	Geesbergen, J. F. and Gêruzet, A	Applications, tools and machines	July 29, 1884
301,112	Gennert, E. F	Lights, systems and appliances	July 1, 1884
302,245	Getchell, G. W	Alarms	July 22, 1884
312,458	Giles, C. K	Applications, general	Feb. 17, 1885
313,720	Gill, E. R., jr	Telephones, calls	Mar. 10, 1885
303,834	Gillham, R	Applications, tools and machines	Aug. 19, 1884
303,835	Gillham, R	do	Aug. 19, 1884
303,836	Gillham, R	do	Aug. 19, 1884

No.	NAME.	CLASS.	DATE.
306,238	Gilliland, E. T	Telephones, systems	Oct. 7, 1884
306,239	Gilliland, E. T	do	Oct. 7, 1884
306,240	Gilliland, E. T	do	Oct. 7, 1884
306,241	Gilliland, E. T	do	Oct. 7, 1884
307,290	Gilliland, E. T	Magneto-electric, hand-machines	Oct. 28, 1884
307,639	Gilliland, E. T	Cut-outs, thermal	Nov. 4, 1884
310,938	Gilliland, E. T	Conductors	Jan. 20, 1885
318,102	Gilliland, E. T	Telegraphy, railway-car	May 19, 1885
311,977	Gilliland, J. F	Telephones, systems	Feb. 10, 1885
315,017	Gilliland, J. F	Relays and sounders	Apr. 7, 1885
315,763	Gilliland, J. F	do	Apr. 14, 1885
307,759	Glass, W	Lights, incandescent	Nov. 11, 1884
310,412	Godfrey, F. M	Railway-signals	Jan. 6, 1885
316,139	Goldberg, L. and Fyfe, A. L	Locomotion	Apr. 21, 1885
308,487	Goodman, J. and H. M	Meters	Nov. 25, 1884
302,330	Goodwin, H. K	Telephones, systems	July 22, 1884
307,292	Gorn, H. A	Magneto-electric	Oct. 28, 1884
309,454	Gorn, H. A	Lights, arc	Dec. 16, 1884
305,175	Grauert, E	do	Sept. 16, 1884
302,221	Gray, A. and T	do	July 15, 1884
309,617	Gray, E	Telephones, calls	Dec. 23, 1884
306,684	Green, G. F	Batteries, galvanic	Oct. 14, 1884
316,260	Greenfield, E. T	Telephones, magnetic	Apr. 21, 1885
310,271	Griffin, P. H	Conductors, underground	Jan. 6, 1885
306,744	Grimshaw, W. D	Conductors	Oct. 21, 1884
308,890	Grimshaw, W. D	do	Dec. 9, 1884
307,387	Griscom, W. W	Motors	Oct. 28, 1884
307,388	Griscom, W. W	Magneto-electric	Oct. 28, 1884
307,389	Grubbe, H. H	Lights, incandescent	Oct. 28, 1884
305,177	Guerrant, G. M	Applications, tools and machines	Sept. 16, 1884
305,178	Guerrant, G. M. and J. C	do	Sept. 16, 1884
311,979	Guest, J. H	Telephones, electric	Feb. 10, 1885
305,688	Gugerty, P	Annunciators	Sept. 23, 1884
312,627	Hadden, W	Railway-signals	Feb. 24, 1885
312,841	Hadden, W	Telephones, details	Feb. 24, 1885
312,842	Hadden, W	do	Feb. 24, 1885
312,843	Hadden, W	Telephones, systems	Feb. 24, 1885
315,772	Hadden, W	Railway-signals	Apr. 14, 1885
317,994	Hadden, W	do	May 19, 1885
307,760	Hadden, W. and Van Hoesenbergh, H.	do	Nov. 11, 1884
316,360	Haenichen, F. and O	Clocks	Apr. 21, 1885
316,143	Haerry, P	Induction-coils	Apr. 21, 1885
313,726	Haid, A	Lights, systems and appliances	Mar. 10, 1885
315,937	Haid, A	Batteries, galvanic	Apr. 14, 1885
315,938	Haid, A	do	Apr. 14, 1885
307,543	Haight, H. J	Indicators	Nov. 4, 1884
301,446	Hale, A. W	Insulators	July 1, 1884
305,812	Hale, W. B	Telephones, electric	Sept. 30, 1884
301,361	Hall, A. W	Railway-signals	July 1, 1884
315,139	Hall, A. W	Alarms, burglar	Apr. 7, 1885
315,140	Hall, A. W	do	Apr. 7, 1885
315,498	Hall, A. W	Railway-signals	Apr. 14, 1885
308,492	Hambay, J. T	do	Nov. 25, 1884
308,493	Hambay, J. T	do	Nov. 25, 1884
308,494	Hambay, J. T	do	Nov. 25, 1884
319,578	Hamilton, G. A	Magneto-electric	June 9, 1885
303,570	Hamilton, L. D	Railway-signals	Aug. 12, 1884
303,569	Hamilton, L. D. and Meek, R	Connectors	Aug. 12, 1884
313,731	Harlan, J. A	Telephones, systems	Mar. 10, 1885
310,890	Harrington, F. W	do	Jan. 20, 1885
308,610	Harvey, W. B	Relays and sounders	Dec. 2, 1884
306,395	Haskins, C. H	Indicators	Oct. 14, 1884
318,616	Hassall, W	Conductors, underground	May 26, 1885
319,813	Hasskarl, G. C. H	do	June 9, 1885
310,587	Hathaway, G. M	Telegraphy, printing	Jan. 13, 1885
314,242	Healy, C. L	Magneto-electric	Mar. 24, 1885
302,485	Hedges, K. W	Cut-outs, thermal	July 22, 1884
317,776	Heinrichs, C. F	Lights, incandescent	May 12, 1885
317,777	Heinrichs, C. F	Lights, arc	May 12, 1885
317,778	Heinrichs, C. F	do	May 12, 1885
317,779	Heinrichs, C. F	Magneto-electric	May 12, 1885
319,580	Heinze, L	Lights, incandescent	June 9, 1885
301,591	Hemje, C	Recorders	July 8, 1884
318,472	Henzel, C	Annunciators	May 26, 1885
308,897	Herrmann, C	Transmitters	Dec. 9, 1884
318,186	Hertzog, O. S	Telegraphy, railway-car	May 19, 1885
311,756	Herzog, F. B	Telegraphy, fire	Feb. 3, 1885

No.	NAME.	CLASS.	DATE.
311,757	Herzog, F. B	Telegraphy, fire	Feb. 3, 1885
314,292	Herzog, F. B	Transmitters	Mar. 24, 1885
314,293	Herzog, F. B	Annunciators	Mar. 24, 1885
314,294	Herzog, F. B	Transmitters	Mar. 24, 1885
315,027	Herzog, F. B	do	Apr. 7, 1885
315,783	Herzog, F. B	Annunciators	Apr. 14, 1885
315,941	Herzog, F. B	do	Apr. 14, 1885
310,424	Hess, W. C.	Transmitters	Jan. 6, 1885
307,461	Hickley, A. S.	Batteries, secondary	Nov. 4, 1884
307,463	Hickley, A. S.	do	Nov. 4, 1884
307,462	Hickley, A. S. and Hill, W. S.	do	Nov. 4, 1884
302,135	Hickman, G. W.	Lights, incandescent	July 15, 1884
302,133	Hickman, G. W. and McCoy, J. F.	do	July 15, 1884
302,134	Hickman, G. W. and McCoy, J. F.	do	July 15, 1884
305,817	Hickman, G. W. and McCoy, J. F.	do	Sept. 30, 1884
312,269	Higley, E. N.	Lights, systems and appliances	Feb. 17, 1885
315,028	Hilder, C. F. and Scott, E.	Separators	Apr. 7, 1885
315,030	Hill, E.	Exploding	Apr. 7, 1885
316,621	Hill, J. H. and Babcock, J. E.	Alarms, burglar	Apr. 28, 1885
315,785	Hinds, J. and Stimpson, L. L.	Railway-signals	Apr. 14, 1885
311,072	Hochhausen, W.	Lights, arc	Jan. 20, 1885
311,073	Hochhausen, W.	do	Jan. 20, 1885
311,074	Hochhausen, W.	do	Jan. 20, 1885
320,253	Hoffmann, E. H.	Anti-induction devices	June 16, 1885
307,945	Hogg, W. S.	Batteries, secondary	Nov. 11, 1884
320,935	Holcomb, J. R., J. D. and C. F.	Telephones, mechanical	June 30, 1885
306,616	Holcombe, A. G.	do	Oct. 14, 1884
319,718	Holcombe, A. G.	Telegraphy, fire	June 9, 1885
321,110	Holcombe, A. G.	do	June 30, 1885
305,310	Holmes, J. H.	Circuit-closers	Sept. 16, 1884
318,987	Holt, A. J.	Telephones, switches	June 2, 1885
315,035	Holtzer, C. W.	Annunciators	Apr. 7, 1885
305,191	Holzer, W.	Lights, incandescent	Sept. 16, 1884
305,927	Hopkins, G. M.	Telephones, magnetic	Sept. 30, 1884
305,928	Hopkins, G. M.	do	Sept. 30, 1884
314,841	Hopkins, G. M.	Telephones, electric	Mar. 31, 1885
306,255	Horn, W. F.	Circuit-closers	Oct. 7, 1884
306,687	Horry, W. S.	Magneto-electric	Oct. 14, 1884
307,769	Houston, E. J.	Lights, arc	Nov. 11, 1884
308,612	Houston, E. J.	Conductors, underground	Dec. 2, 1884
319,818	Howard, A.	Recorders	June 9, 1885
305,192	Howard, J. S.	Electrolysis	Sept. 16, 1884
308,261	Huber, J. L.	Cut-outs, mechanical	Nov. 18, 1884
305,595	Hughes, T. P.	Valve-controllers	Sept. 23, 1884
321,363	Hurlbut, D. N.	Conductors, underground	June 30, 1885
318,907	Husbands, J. D.	Telephones, electric	May 26, 1885
310,516	Hussey, C. A.	Lights, incandescent	Jan. 6, 1885
319,259	Hussey, C. A.	Clocks	June 2, 1885
320,065	Hussey, C. A.	Igniting devices	June 16, 1885
305,453	Hyder, J. V.	Telephones, mechanical	Sept. 23, 1884
319,260	Ide, A. L.	Valve-controllers	June 2, 1885
304,732	Iske, A.	Alarms, burglar	Sept. 9, 1884
301,601	Jackson, C. A.	Clocks	July 8, 1884
301,602	Jackson, C. A.	Motors	July 8, 1884
308,165	Jackson, C. A.	Telephones, systems	Nov. 18, 1884
320,137	Jackson, C. A.	Motors	June 16, 1885
301,369	Jackson, C. H.	Railway-signals	July 1, 1884
303,735	Jackson, C. T.	Conductors	Aug. 19, 1884
301,603	Jackson, W. A. and Cole, W. R.	Telephones, systems	July 8, 1884
301,604	Jackson, W. A. and Cole, W. R.	do	July 8, 1884
310,282	Jackson, W. A. and Cole, W. R.	do	Jan. 6, 1885
317,365	Jacobs, M.	Applications, general	May 5, 1885
310,059	James, H. L.	Insulators	Dec. 30, 1884
306,256	Jamieson, W.	Conductors, anti-inductive	Oct. 7, 1884
305,194	Jenkin, F.	Locomotion	Sept. 16, 1884
310,519	Johnson, C. R.	Railway-signals	Jan. 6, 1885
311,130	Johnson, E. H.	Connectors	Jan. 20, 1885
314,582	Johnson, E. H.	Lights, systems and appliances	Mar. 31, 1885
319,415	Johnson, E. H.	Telephones, electric	June 2, 1885
306,018	Johnston, J. W. and Rogers, J. H.	Magnetic locks and bolts	Sept. 30, 1884
302,410	Jones, F. W.	Telegraphy, quadruplex	July 22, 1884
304,106	Jones, F. W.	do	Aug. 26, 1884
310,684	Jones, F. W.	Telegraphy, duplex	Jan. 13, 1885
310,685	Jones, F. W.	Telegraphy, quadruplex	Jan. 13, 1885
320,068	Jungerman, E.	Telegraphy, fire	June 16, 1885
311,007	Kalischer, S.	Batteries, secondary	Jan. 20, 1885
311,008	Kalischer, S.	do	Jan. 20, 1885

No.	NAME.	CLASS.	DATE.
309,392	Kay, T. L.	Lights, arc	Dec. 16, 1884
305,601	Kear, R. W.	Connectors	Sept. 23, 1884
315,633	Kellogg, H.	Conductors	Apr. 14, 1885
301,499	Kellogg, M. G.	do	July 8, 1884
306,495	Kellogg, M. G.	Connectors	Oct. 14, 1884
308,315	Kellogg, M. G.	Telephones, systems	Nov. 18, 1884
306,084	Kellogg, W. T.	Annunciators	Oct. 7, 1884
313,941	Kells, C. E., jr.	Alarms, burglar	Mar. 17, 1885
303,020	Kelly, J. F.	Lights, arc	Aug. 5, 1884
310,831	Kidder, W. K.	Batteries, galvanic	Jan. 13, 1885
309,468	Kilmer, I. A. and M. D.	Conductors	Dec. 16, 1884
309,064	Kinch, I. S.	Applications, general	Dec. 9, 1884
316,791	King, W. W.	Lights, arc	Apr. 28, 1885
303,862	Kingsley, W. J. P. and G. L.	Indicators	Aug. 19, 1884
317,545	Kinsman, F. E.	Exploding	May 12, 1885
305,200	Klein, P. H., jr.	Lights, systems and appliances	Sept. 16, 1884
311,131	Klein, P. H., jr.	do	Jan. 20, 1885
302,344	Knight, W. H.	Telephones, systems	July 22, 1884
305,694	Knight, W. H.	Locomotives	Sept. 23, 1884
305,731	Knight, W. H.	do	Sept. 23, 1884
304,007	Knudson, A. A.	Telegraphy, printing	Aug. 26, 1884
319,912	Kohn, W. A. J.	Motors	June 9, 1885
311,330	Kölzer, J.	Repeaters	Jan. 27, 1885
310,140	Kram, S. C.	Medical and surgical, body-wear	Dec. 30, 1884
303,936	Krell, E. F.	Insulators	Aug. 19, 1884
308,316	Kronbiegel-Collenbusch, B.	Railway-signals	Nov. 18, 1884
306,405	Lachlau, W.	Batteries, secondary	Oct. 14, 1884
302,502	La Cour, P.	Telegraphy, multiplex	July 22, 1884
304,330	Lakin, J. A.	Valve-controllers	Sept. 2, 1884
306,932	Lane, F.	Railway-signals	Oct. 21, 1884
311,840	Lane, F.	Igniting devices	Feb. 3, 1885
320,438	Lane, T. W.	Telephones, systems	June 16, 1885
317,805	Lange, P. and Lindner, E.	Applications, general	May 12, 1885
303,866	Langley, J. W.	Regulators	Aug. 19, 1884
308,416	Lasmolles, A.	Indicators	Nov. 25, 1884
313,215	Lautensack, D.	Batteries, thermal	Mar. 3, 1885
314,385	Lawshé, S. R.	Lightning-rods	Mar. 24, 1885
307,777	Leggo, W. A.	Electro-magnets	Nov. 11, 1884
303,298	Le Grande, W. W.	Recorders	Aug. 12, 1884
303,526	Le Grande, W. W.	Railway-signals	Aug. 12, 1884
303,525	Le Grande, W. W. and Meek, R.	do	Aug. 12, 1884
305,939	Leigh, J. and Clarke, C. L.	Conductors	Sept. 30, 1884
308,908	Lighthill, A. P.	Applications, general	Dec. 9, 1884
302,505	Lindley, L. W.	Railway-signals	July 22, 1884
308,845	Lloret y Tepes, J.	do	Dec. 2, 1884
316,469	Locke, J. and Bowker, W.	Insulators	Apr. 28, 1885
307,478	Lockwood, T. D.	Telephones, electric	Nov. 4, 1884
308,566	Lockwood, T. D.	Telegraphy, fire	Nov. 25, 1884
312,871	Lockwood, T. D.	Telephones, electric	Feb. 24, 1885
314,386	Lockwood, T. D.	Telephones, calls	Mar. 24, 1885
306,026	Long, C. W.	Telephones, electric	Sept. 30, 1884
309,474	Lowth, J.	do	Dec. 16, 1884
309,475	Lowth, J.	do	Dec. 16, 1884
309,476	Lowth, J.	Telephones, magnetic	Dec. 16, 1884
312,365	Lowth, J.	do	Feb. 17, 1885
312,366	Lowth, J.	do	Feb. 17, 1885
314,946	Ludlow, F. C.	Telephones, mechanical	Mar. 31, 1885
315,425	Ludwig, J. C.	Telegraphy, circuits and systems	Apr. 7, 1885
315,426	Ludwig, J. C.	Keys	Apr. 7, 1885
315,427	Ludwig, J. C.	Relays and sounders	Apr. 7, 1885
315,428	Ludwig, J. C.	Telegraphy, circuits and systems	Apr. 7, 1885
312,482	Lund, J. A.	Clocks	Feb. 17, 1885
303,579	Lungen, A.	Circuit-closers	Aug. 12, 1884
309,790	Lungen, A.	do	Dec. 23, 1884
309,791	Lyle, J. D.	Telephones, systems	Dec. 23, 1884
313,006	Lyun, M. N.	Lights, arc	Feb. 24, 1885
313,009	Lynn, M. N.	do	Feb. 24, 1885
315,524	Lynn, M. N.	do	Apr. 14, 1885
316,376	Lyons, F. G.	Alarms, burglar	Apr. 21, 1885
315,954	Lytle, A. E.	Conductors, underground	Apr. 14, 1885
313,828	Lytle, H. B. and McCoy, J. A.	Telephones, systems	Mar. 10, 1885
313,829	Lytle, H. B. and McCoy, J. A.	do	Mar. 10, 1885
318,571	Lytle, H. B. and McCoy, J. A.	Lightning-arresters	May 26, 1885
305,611	Mackenzie, J. K. D.	Bells	Sept. 23, 1884
304,209	Mackenzie, J. U.	Telegraphy, fire	Aug. 26, 1884
315,526	Macquarrie, D. B.	Conductors	Apr. 14, 1885
313,436	Mailloux, C. O.	Lights, arc	Mar. 3, 1885

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313,437	Mailloux, C. O	Lights, arc	Mar. 3, 1885
301,380	Maltby, S	Magneto-electric	July 1, 1884
313,746	Man, A	Lights, systems and appliances	Mar. 10, 1885
306,339	Marcus, S	Applications, tools and machines	Oct. 7, 1884
305,829	Marcus, W. N	Telephones, systems	Sept. 30, 1884
305,943	Markle, J. R	Magneto-electric	Sept. 30, 1884
302,752	Marsden, J	Conductors, underground	July 29, 1884
307,314	Marshall, F. P	Telegraphy, railway-car	Oct. 28, 1884
308,269	Marshall, M	Railway-signals	Nov. 18, 1884
302,417	Mather, R. H	Magneto-electric	July 22, 1884
302,418	Mather, R. H	do	July 22, 1884
305,617	Mather, R. H	Lights, arc	Sept. 23, 1884
306,764	Mather, R. H	do	Oct. 21, 1884
306,845	Mather, R. H	do	Oct. 21, 1884
320,376	Mathiesen, C. A	Telegraphy, printing	June 16, 1885
320,377	Mathieu, J. A	Electrolysis	June 16, 1885
313,605	Maxwell, G. S	Circuit-closers	Mar. 10, 1885
313,091	May, J. B	Cut-outs, electro-magnetic	Mar. 3, 1885
310,530	Mayrhofer, C. A	Clocks	Jan. 6, 1885
305,946	McAuliffe, S	Conductors, underground	Sept. 30, 1884
319,001	McCarthy, L. A	Telegraphy, printing	June 2, 1885
305,096	McCarty, N	Lights, arc	Sept. 16, 1884
308,620	McCarty, N	do	Dec. 2, 1884
310,837	McCarty, N	do	Jan. 13, 1885
321,235	McCarty, W. F. C. M	Lightning-arresters	June 30, 1885
304,539	McCracken, E. D	Conductors	Sept. 2, 1884
304,540	McCracken, E. D	Conductors, anti-inductive	Sept. 2, 1884
314,041	McCracken, E. D	Electro-magnets	Mar. 17, 1885
316,474	McCullough, L. H	Telegraphy, fire	Apr. 28, 1885
316,475	McCullough, L. H	do	Apr. 28, 1885
316,476	McCullough, L. H	Bells	Apr. 28, 1885
316,477	McCullough, L. H	Transmitters	Apr. 28, 1885
306,414	McDaniel, C. W. and Barrett, A	Telephones, systems	Oct. 14, 1884
315,313	McDuff, J. E. and Doherty, J. F	Annunciators	Apr. 7, 1885
312,487	McGinnis, W. T	Medical and surgical, body-wear	Feb. 17, 1885
308,036	McGonegal, H. and Lake, S. D	Telegraphy, fire	Nov. 11, 1884
308,273	McIntire, J. N	Telephones, electric	Nov. 18, 1884
305,321	McMullin, M	Medical and surgical, body-wear	Sept. 16, 1884
303,537	Meek, R	Connectors	Aug. 12, 1884
303,538	Meek, R	do	Aug. 12, 1884
313,830	Meigs, J. V	Locomotion	Mar. 10, 1885
312,285	Miller, S. E	Igniting devices, portable	Feb. 17, 1885
304,843	Miller, W. R	Telephones, details	Sept. 9, 1884
310,068	Miller, W. R	do	Dec. 30, 1884
312,492	Miller, W. R	do	Feb. 17, 1885
310,302	Moebius, B	Separators	Jan. 6, 1885
310,533	Moebius, B	do	Jan. 6, 1885
309,971	Molison, A. R	Igniting devices, portable	Dec. 30, 1884
317,409	Monfort, E. A	Exploding	May 5, 1885
312,745	Morley, W. M	Magneto-electric	Feb. 24, 1885
303,035	Morris, J. E., Dorsett, D. H. and Williams, B	Conductors, underground	Aug. 5, 1884
319,300	Morton, W. A	Lightning-rods	June 2, 1885
317,837	Moser, I. S. and Magee, F	Alarms	May 12, 1885
310,145	Moses, O. A	Lights, incandescent	Dec. 30, 1884
316,993	Moses, O. A	do	May 5, 1885
321,309	Moses, O. A	do	June 30, 1885
310,957	Muirhead, A	Conductors	Jan. 20, 1885
317,171	Müller, C. H. F	Lights, incandescent	May 5, 1885
320,158	Müller, H. J	Magneto-electric	June 16, 1885
304,121	Münch, A. J. W	Magneto-electric, hand-machines	Aug. 26, 1884
320,271	Munson, J. E	Telegraphy, printing	June 16, 1885
320,272	Munson, J. E	do	June 16, 1885
314,188	Mnratori, F. L. and Cros, E	Alarms	Mar. 17, 1885
310,146	Murphy, A	Applications, general	Dec. 30, 1884
304,020	Muskat, C. G	Conductors	Aug. 26, 1884
319,923	Myers, M. J	Batteries, galvanic	June 9, 1885
303,877	Neblett, C	Insulators	Aug. 19, 1884
307,791	Neeper, A. M	Locomotion	Nov. 11, 1884
313,513	Neuert, C. A	Recorders	Mar. 10, 1885
319,112	Nevins, B. L	Conductors, underground	June 2, 1885
319,420	Nevins, B. L	do	June 2, 1885
320,275	Newman, C. H. and Berrigan, W	Applications, general	June 16, 1885
307,062	Newton, F. M	Lights, arc	Oct. 21, 1884
312,579	Nordenfelt, T	Steering and propulsion	Feb. 17, 1885
315,055	Norton, J. A	Igniting devices	Apr. 7, 1885
315,056	Norton, J. A	do	Apr. 7, 1885
315,057	Norton, J. A	do	Apr. 7, 1885

No.	NAME.	CLASS.	DATE.
304,351	Norton, O. H.	Telegraphy, fire	Sept. 2, 1884
319,927	Nutt, S. P.	Telephones, electric	June 9, 1885
314,976	O'Beirne, W. H.	Lights, systems and appliances	Mar. 31, 1885
316,812	O'Brien, J.	Insulators	Apr. 28, 1885
311,027	O'Keefe, W. F. H.	Alarms, burglar	Jan. 20, 1885
303,744	Olmsted, J.	Magneto-electric	Aug. 19, 1884
312,580	O'Malley, P. A.	Connectors	Feb. 17, 1885
313,610	O'Neill, J. J.	Transmitters	Mar. 10, 1885
307,064	Ongley, C. E. and Sturtevant, E. W.	Applications, tools and machines	Oct. 21, 1884
311,516	Orne, C. P.	Batteries, galvanic	Feb. 3, 1885
308,323	Oros, J. J.	Telegraphy, fire	Nov. 18, 1884
308,851	Orton, B. F.	Magneto-electric	Dec. 2, 1884
309,560	Orton, B. F.	do	Dec. 23, 1884
309,735	Orton, B. F.	do	Dec. 23, 1884
311,141	Orton, B. F.	Regulators	Jan. 20, 1885
306,697	O'Sullivan, M. J. and Houck, T. J.	Lightning-arresters	Oct. 14, 1884
311,846	Otte, G.	Railway-signals	Feb. 3, 1885
308,276	Paine, H. M.	Applications, general	Nov. 18, 1884
320,679	Painter, W.	Locomotion	June 23, 1885
308,979	Palmatier, J. M.	Alarms	Dec. 9, 1884
307,866	Palmer, A. C.	Annunciators	Nov. 11, 1884
318,647	Palmer, A. H.	Bells	May 26, 1885
304,232	Palmer, C. H.	Magneto-electric	Aug. 26, 1884
308,922	Palmer, W. B.	Transmitters	Dec. 9, 1884
314,709	Park, H. S.	Car-brakes	Mar. 31, 1885
301,749	Parks, N. and Callanen, F. J.	Telephones, electric	July 8, 1884
320,495	Parrish, M. F. and Muun, S. J.	Telegraphy, railway-car	June 23, 1885
306,513	Patterson, W. R.	Conductors	Oct. 14, 1884
309,244	Patterson, W. R.	Conductors, underground	Dec. 16, 1884
309,245	Patterson, W. R.	do	Dec. 16, 1884
309,246	Patterson, W. R.	Connectors	Dec. 16, 1884
309,247	Patterson, W. R.	Conductors, underground	Dec. 16, 1884
311,521	Patterson, W. R.	Conductors	Feb. 3, 1885
311,522	Patterson, W. R.	do	Feb. 3, 1885
311,523	Patterson, W. R.	do	Feb. 3, 1885
311,913	Patterson, W. R.	do	Feb. 10, 1885
311,914	Patterson, W. R.	Connectors	Feb. 10, 1885
312,755	Patterson, W. R.	Conductors	Feb. 24, 1885
321,240	Patterson, W. R.	do	June 30, 1885
311,142	Patton, W. P.	Lights, arc	Jan. 20, 1885
309,509	Paul, W. and Wood, T. J.	Conductors	Dec. 16, 1884
312,503	Pease, W. M.	Railway-signals	Feb. 17, 1885
312,504	Pease, W. M.	do	Feb. 17, 1885
313,614	Pease, W. M.	do	Mar. 10, 1885
309,562	Peck, C. C. and Chapman, W. H.	Motors	Dec. 23, 1884
307,584	Peudleton, J. M.	Lights, arc	Nov. 4, 1884
321,049	Pendleton, J. M.	Motors	June 30, 1885
315,161	Perkins, C. G.	do	Apr. 7, 1885
319,998	Perkins, C. G.	Conductors	June 16, 1885
303,948	Perrin, T. J.	Telephones, electric	Aug. 19, 1884
306,514	Perrin, T. J.	do	Oct. 14, 1884
307,728	Perrin, T. J.	do	Nov. 4, 1884
309,357	Perrin, T. J.	Telephones, systems	Dec. 16, 1884
315,331	Perrin, T. J.	do	Apr. 7, 1885
315,332	Perrin, T. J.	do	Apr. 7, 1885
315,333	Perrin, T. J.	do	Apr. 7, 1885
315,334	Perrin, T. J.	do	Apr. 7, 1885
315,658	Perrin, T. J.	do	Apr. 14, 1885
316,394	Perrin, T. J.	do	Apr. 21, 1885
316,395	Perrin, T. J.	do	Apr. 21, 1885
316,816	Perrin, T. J.	Telephones, magnetic	Apr. 28, 1885
316,817	Perrin, T. J.	Induction-coils	Apr. 28, 1885
316,818	Perrin, T. J.	Telephones, relays and repeaters	Apr. 28, 1885
317,569	Pevy, C. K.	Annunciators	May 12, 1885
320,585	Pfannkuche, G.	Lights, arc	June 23, 1885
304,025	Phelps, G. M.	Telegraphy, printing	Aug. 26, 1884
307,984	Phelps, L. J.	Telegraphy, railway-car	Nov. 11, 1884
312,506	Phelps, L. J.	do	Feb. 17, 1885
311,445	Philippart, S., fils	Batteries, secondary	Jan. 27, 1885
306,516	Phillips, W. J. and Kitson, G. L.	Conductors, lead-covered	Oct. 14, 1884
302,935	Phillips, E. F. and Land, J. F.	Telegraphy, fire	Aug. 5, 1884
306,517	Pickering, E.	Lights, arc	Oct. 14, 1884
319,745	Pieper, H., fils	do	June 9, 1885
304,557	Pirnie, G.	Circuit-closers	Sept. 2, 1884
317,848	Pitcher, H. A.	Lightning-arresters	May 12, 1885
309,091	Platt, W. K. and Aldrich, G. A.	Conductors, underground	Dec. 9, 1884
313,615	Platt, W. S.	Batteries, galvanic	Mar. 10, 1885

No.	NAME.	CLASS.	DATE.
313,616	Platt, W. S.	Connectors	Mar. 10, 1885
320,684	Platt, W. S.	Conductors	June 23, 1885
308,521	Pond, C. H.	Clocks	Nov. 25, 1884
308,793	Pond, C. H. and Bailey, H. L.	do	Dec. 2, 1884
305,632	Pond, C. H. and Munger, A. S.	do	Sept. 23, 1884
303,589	Pope, F. L.	Railway-signals	Aug. 12, 1884
303,590	Pope, F. L.	do	Aug. 12, 1884
320,283	Pope, F. L.	Locomotion	June 16, 1885
320,685	Porter, H. B.	Bells	June 23, 1885
316,171	Potter, T.	Railway-signals	Apr. 21, 1885
304,279	Power, W. H.	Indicators	Aug. 26, 1884
310,961	Pratt, H. P.	Telephones, magnetic	Jan. 20, 1885
316,911	Preece, W. H.	Telephones, systems	Apr. 28, 1885
313,523	Prentiss, F. H. and Tilden, J. A.	Thermostats	Mar. 10, 1885
315,660	Prenzel, H.	Insulators	Apr. 14, 1885
303,591	Prescott, G. S.	Lightning-rods	Aug. 12, 1884
301,519	Priest, J. K. and Smith, R. T.	Applications, tools and machines	July 8, 1884
303,399	Prince, G. W.	Insulators	Aug. 12, 1884
308,195	Puffer, E. R.	Recorders	Nov. 18, 1884
315,662	Pullman, S. C.	Telegraphy, railway-car	Apr. 14, 1885
319,023	Pullman, S. C.	do	June 2, 1885
303,749	Pyle, W.	Conductors, underground	Aug. 19, 1884
312,160	Randall, C. A.	Telephones, electric	Feb. 10, 1885
312,161	Randall, C. A.	do	Feb. 10, 1885
312,162	Randall, C. A.	do	Feb. 10, 1885
312,896	Randall, C. A.	Telephones, magnetic	Feb. 24, 1885
307,589	Randolph, M.	Telephones, systems	Nov. 4, 1884
307,800	Randolph, M.	Telephones, mechanical	Nov. 11, 1884
306,957	Ray, J. F.	Meters	Oct. 21, 1884
313,884	Reckenzaun, A.	Magneto-electric	Mar. 17, 1885
320,092	Reckenzaun, A.	Locomotion	June 16, 1885
312,511	Recordon, E. F.	Electro-magnets	Feb. 17, 1885
319,318	Recordon, E. F.	Bells	June 2, 1885
308,432	Reed, J. D.	Telegraphy, railway-car	Nov. 25, 1884
305,475	Reed, T. S.	Conductors	Sept. 23, 1884
320,285	Regan, D. S.	Applications, tools and machines	June 16, 1885
315,339	Reichert, E. T.	Batteries, secondary	Apr. 7, 1885
315,340	Reichert, E. T.	do	Apr. 7, 1885
312,899	Reid, W. A.	Telegraphy, fire	Feb. 24, 1885
305,331	Reynolds, G. A.	Railway-signals	Sept. 16, 1884
307,494	Rice, D. H.	Telephones, calls	Nov. 4, 1884
304,667	Richards, W. L.	Telephones, systems	Sept. 2, 1884
306,778	Ripley, R. A. and Bridgford, J.	Separators	Oct. 21, 1884
320,170	Rivera, J. M.	Magneto-electric	June 16, 1885
308,992	Roberts, I. L.	Batteries, galvanic	Dec. 9, 1884
311,852	Roberts, I. L.	do	Feb. 3, 1885
311,853	Roberts, I. L.	do	Feb. 3, 1885
314,722	Roberts, I. L.	do	Mar. 31, 1885
317,206	Roberts, I. L.	do	May 5, 1885
304,455	Robinson, W.	Lights, arc	Sept. 2, 1884
310,151	Rogers, J. H.	Telephones, electric	Dec. 30, 1884
310,724	Rogers, L. H.	Batteries, secondary, applications	Jan. 13, 1885
310,913	Rogers, W. A.	Applications, tools and machines	Jan. 20, 1885
301,165	Rogers, W. A. and Ballou, G. F.	do	July 1, 1884
316,183	Roome, H. C.	Alarms, burglar	Apr. 21, 1885
306,179	Roosevelt, H. L.	Magnetic locks and bolts	Oct. 7, 1884
320,504	Root, J. E.	Keys	June 23, 1885
321,387	Roth, C. W.	Recorders	June 30, 1885
318,397	Rounds, J. C.	Telephones, mechanical	May 19, 1885
304,135	Rousseau, P. J.	Telephones, systems	Aug. 26, 1884
319,129	Roussy, E. L.	Lights, incandescent	June 2, 1885
303,052	Ruehle, C. W.	Clocks	Aug. 5, 1884
307,070	Russell, S.	Exploding	Oct. 21, 1884
307,071	Russell, S.	do	Oct. 21, 1884
319,627	Russell, S.	do	June 9, 1885
319,628	Russell, S.	do	June 9, 1885
319,629	Russell, S.	do	June 9, 1885
305,020	Ruth, J. A.	Insulators	Sept. 9, 1884
307,872	Ryckman, W. J.	Conductors, underground	Nov. 11, 1884
315,841	Samuel, E.	Conductors	Apr. 14, 1885
302,783	Samney, T. S. and Alprovidge, J. M.	Batteries, secondary	July 29, 1884
317,676	Sawyer, W. E. and Man, A.	Lights, incandescent	May 12, 1885
301,593	Sawyer, W. H.	Igniting devices	July 1, 1884
311,611	Sawyer, W. H.	Connectors	Feb. 3, 1885
311,681	Sawyer, W. H.	Cut-outs, thermal	Feb. 3, 1885
313,377	Sawyer, W. H.	Insulators	Mar. 3, 1885
319,326	Sawyer, W. H.	Connectors	June 2, 1885

No.	NAME.	CLASS.	DATE.
317,213	Saxton, O. H.	Telephones, systems	May 5, 1885
320,297	Schaefer, F.	Lights, incandescent	June 16, 1885
318,300	Schaefer, H. F. B.	Batteries, galvanic	May 19, 1885
305,635	Schinneller, J.	Magneto-electric	Sept. 23, 1884
312,660	Schmauser, T.	Batteries, galvanic	Feb. 24, 1885
318,664	Schuyler, D. A.	Magneto-electric	May 26, 1885
303,057	Schweizer, J.	Applications, tools and machines	Aug. 5, 1884
310,729	Scotland, J. and Cordon, F.	Steering and propulsion	Jan. 13, 1885
301,837	Scott, C. A.	Railway-signals	July 8, 1884
303,595	Scott, C. A.	do	Aug. 12, 1884
303,327	Scott, D. B.	Telegraphy, printing	Aug. 12, 1884
304,037	Scott, G. B.	do	Aug. 26, 1884
319,855	Scott, G. B.	do	June 9, 1885
320,975	Scott, G. B.	do	June 30, 1885
305,021	Scribner, C. E.	Telephones, systems	Sept. 9, 1884
321,057	Scribner, C. E.	do	June 30, 1885
321,390	Scribner, C. E.	do	June 30, 1885
321,391	Scribner, C. E.	do	June 30, 1885
318,514	Seely, J. A.	do	May 26, 1885
309,571	Selden, C.	Telegraphy, duplex	Dec. 23, 1884
309,572	Selden, C.	Telegraphy, quadruplex	Dec. 23, 1884
309,573	Selden, C.	do	Dec. 23, 1884
321,058	Selden, C.	Telegraphy, fire	June 30, 1885
315,078	Seligman, H.	Telephones, mechanical	Apr. 7, 1885
320,181	Seligman, H. and E.	do	June 16, 1885
302,673	Sellon, J. S.	Heaters	July 29, 1884
309,742	Semal, F. J.	Telephones, electric	Dec. 23, 1884
307,808	Serraillier, A.	Lights, arc	Nov. 11, 1884
301,397	Seyferth, A.	Indicators	July 1, 1884
304,759	Shaffer, M. E.	Conductors, anti-inductive	Sept. 9, 1884
306,288	Shaffer, W. C. and Poalk, J. L.	Motors	Oct. 7, 1884
319,856	Shaw, F. and Childs, W. A.	Telephones, systems	June 9, 1885
310,733	Shaw, J. H.	Induction-coils	Jan. 13, 1885
311,381	Shaw, J. H.	do	Jan. 27, 1885
303,402	Shaw, T. N.	Cut-outs, mechanical	Aug. 12, 1884
303,891	Shaw, W. A.	Batteries, secondary	Aug. 19, 1884
305,022	Shaw, W. A.	Batteries, galvanic	Sept. 9, 1884
305,023	Shaw, W. A.	Batteries, secondary	Sept. 9, 1884
305,854	Shaw, W. A.	Conductors, underground	Sept. 30, 1884
309,886	Shaw, W. A.	Batteries, secondary	Dec. 30, 1884
311,682	Shaw, W. A.	Conductors, anti-inductive	Feb. 3, 1885
316,407	Shaw, W. A.	Batteries, secondary	Apr. 21, 1885
316,408	Shaw, W. A.	do	Apr. 21, 1885
316,409	Shaw, W. A.	do	Apr. 21, 1885
307,231	Sheehy, R. J.	Telegraphy, printing	Oct. 28, 1884
307,232	Sheehy, R. J.	do	Oct. 28, 1884
307,233	Sheehy, R. J.	do	Oct. 28, 1884
307,234	Sheehy, R. J.	do	Oct. 28, 1884
307,683	Sheehy, R. J.	Lights, arc	Nov. 4, 1884
307,684	Sheehy, R. J.	Regulators	Nov. 4, 1884
313,380	Shelbourne, S. F.	Conductors, underground	Mar. 3, 1885
302,596	Sherman, W. F.	Locomotion	July 29, 1884
308,207	Short, S. H.	Magneto-electric	Nov. 18, 1884
310,736	Short, S. H.	Lights, arc	Jan. 13, 1885
312,242	Short, S. H.	Cut-outs, electro-magnetic	Feb. 10, 1885
312,243	Short, S. H.	Lights, arc	Feb. 10, 1885
304,242	Sims, J. F.	Telephones, mechanical	Aug. 26, 1884
319,633	Sims, W. S.	Steering and propulsion	June 9, 1885
303,403	Skinner, J. J.	Regulators	Aug. 12, 1884
304,672	Skinner, J. J.	Lights, arc	Sept. 2, 1884
304,673	Skinner, J. J.	do	Sept. 2, 1884
307,810	Skinner, J. J.	Lights, systems and appliances	Nov. 11, 1884
303,237	Skrivanow, G. G.	Batteries, secondary	Aug. 5, 1884
301,929	Smith, A.	Lights, incandescent	July 15, 1884
301,763	Smith, A. B.	Annunciators	July 8, 1884
316,494	Smith, A. B.	Telegraphy, printing	Apr. 28, 1885
301,529	Smith, E. W.	Telephones, systems	July 8, 1884
305,025	Smith, E. W.	do	Sept. 9, 1884
318,929	Smith, E. W.	Connectors	May 26, 1885
319,428	Smith, G.	Telegraphy, quadruplex	June 2, 1885
306,187	Smith, J. E.	Relays and sounders	Oct. 7, 1884
307,498	Smith, J. E.	Repeaters	Nov. 4, 1884
309,000	Smith, J. E.	Clocks	Dec. 9, 1884
309,001	Smith, J. E.	do	Dec. 9, 1884
317,587	Smith, J. J. C. and M.	Conductors	May 12, 1885
310,962	Smith, M. H.	Locomotion	Jan. 20, 1885
311,616	Smith, T. T.	Lights, systems and appliances	Feb. 3, 1885

No.	NAME.	CLASS.	DATE.
311,617	Smith, T. T	Lights, systems and appliances	Feb. 3, 1885
312,394	Smith, T. T	do	Feb. 17, 1885
315,673	Smith, T. T	do	Apr. 14, 1885
315,674	Smith, T. T	do	Apr. 14, 1885
319,635	Soulliere, L	Cut-outs, thermal	June 9, 1885
315,564	Sparrow, F. M	Lights, arc	Apr. 14, 1885
302,360	Spengler, C. G	Transmitters	July 22, 1884
301,175	Sperry, E. A	Lights, arc	July 1, 1884
304,966	Sperry, E. A	do	Sept. 9, 1884
304,145	Sprague, F. J	Magneto-electric	Aug. 26, 1884
309,167	Sprague, F. J	Rheostats	Dec. 9, 1884
313,247	Sprague, F. J	Regulators	Mar. 3, 1885
313,546	Sprague, F. J	Motors	Mar. 10, 1885
314,891	Sprague, F. J	Meters	Mar. 31, 1885
315,179	Sprague, F. J	Motors	Apr. 7, 1885
315,180	Sprague, F. J	do	Apr. 7, 1885
315,181	Sprague, F. J	do	Apr. 7, 1885
315,182	Sprague, F. J	do	Apr. 7, 1885
315,183	Sprague, F. J	do	Apr. 7, 1885
317,235	Sprague, F. J	Locomotion	May 5, 1885
318,668	Sprague, F. J	do	May 26, 1885
321,147	Sprague, F. J	Motors	June 30, 1885
321,148	Sprague, F. J	do	June 30, 1885
321,149	Sprague, F. J	do	June 30, 1885
321,150	Sprague, F. J	do	June 30, 1885
314,618	Spruce, J	Conductors	Mar. 31, 1885
306,360	Stabler, J. P.	Telephones, calls	Oct. 7, 1884
306,361	Stabler, J. P.	do	Oct. 7, 1884
310,472	Stanley, W., jr.	Cut-outs, thermal	Jan. 6, 1885
313,117	Stanley, W., jr.	Batteries, secondary, applications	Mar. 3, 1885
313,894	Stanley, W., jr.	Magneto-electric	Mar. 17, 1885
316,302	Stanley, W., jr.	Lights, incandescent	Apr. 21, 1885
320,717	Stanley, W., jr.	Induction-coils	June 23, 1885
302,793	Starr, E. T	Motors	July 29, 1884
313,782	Starr, E. T	Lights, systems and appliances	Mar. 10, 1885
313,783	Starr, E. T	do	Mar. 10, 1885
314,892	Starr, E. T	Batteries, secondary	Mar. 31, 1885
316,076	Stevens, W. L	Transmission of power	Apr. 21, 1885
316,077	Stevens, W. L	Cut-outs, thermal	Apr. 21, 1885
307,879	Stieringer, L	Lights, systems and appliances	Nov. 11, 1884
317,879	Stieringer, L. and Vail, J. H	Conductors	May 12, 1885
315,568	Stitzel, F. and Weinedel, C	Relays and sounders	Apr. 14, 1885
303,956	Stoneburner, A. A. and Kasper, J. H	Keys	Aug. 19, 1884
312,670	Strong, H. C	Relays and sounders	Feb. 24, 1885
313,965	Swan, A	Lights, incandescent	Mar. 17, 1885
312,599	Swan, J. W	Batteries, secondary	Feb. 17, 1885
318,828	Swan, J. W	do	May 26, 1885
315,571	Tabourin, G. A	Lights, arc	Apr. 14, 1885
320,311	Taltavall, T. R	Telegraphy, quadruplex	June 16, 1885
307,237	Taylor, C. F	Separators	Oct. 28, 1884
302,447	Taylor, T. and J	Igniting devices, portable	July 22, 1884
305,980	Taylor, T. F	Telephones, magnetic	Sept. 30, 1884
310,094	Taylor, T. F	Telephones, systems	Dec. 30, 1884
314,155	Taylor, T. F	Telephones, electric	Mar. 17, 1885
314,156	Taylor, T. F	do	Mar. 17, 1885
314,157	Taylor, T. F	do	Mar. 17, 1885
315,186	Thaxter, G. E	Magnetic locks and bolts	Apr. 7, 1885
304,764	Thiebaut, J. A	Batteries, galvanic	Sept. 9, 1884
307,690	Thomas, W. M	Regulators	Nov. 4, 1884
312,529	Thomas, W. M	Cut-outs, electro-magnetic	Feb. 17, 1885
312,589	Thomas, W. M	Lights, systems and appliances	Feb. 17, 1885
316,500	Thomas, W. M	Regulators	Apr. 28, 1885
316,501	Thomas, W. M	Cut-outs, electro-magnetic	Apr. 28, 1885
316,502	Thomas, W. M	do	Apr. 28, 1885
319,347	Thomas, W. M	Lights, systems and appliances	June 2, 1885
312,405	Thomas, W. P. and Frost, E. J	Conductors	Feb. 17, 1885
312,673	Thompson, C. M. and Eberle, C. R.	do	Feb. 24, 1885
317,245	Thompson, E. P	Separators	May 5, 1885
317,246	Thompson, E. P	do	May 5, 1885
317,887	Thompson, G. K	Connectors	May 12, 1885
309,262	Thompson, R. H. S	Exploding	Dec. 16, 1884
302,960	Thomson, E.	Lights, arc	Aug. 5, 1884
302,961	Thomson, E.	do	Aug. 5, 1884
302,962	Thomson, E.	do	Aug. 5, 1884
302,963	Thomson, E.	Regulators	Aug. 5, 1884
303,762	Thomson, E.	Lights, systems and appliances	Aug. 19, 1884
303,398	Thomson, E.	Lights, arc	Aug. 19, 1884

No.	NAME.	CLASS.	DATE.
305,413	Thomson, E.	Lights, arc	Sept. 16, 1884
307,818	Thomson, E.	Cut-outs, electro-magnetic	Nov. 11, 1884
307,819	Thomson, E.	do	Nov. 11, 1884
320,018	Thomson, E.	Lights, arc	June 16, 1885
306,118	Thomson, E. and Rice, E. W.	do	Oct. 7, 1884
306,119	Thomson, E. and Rice, E. W.	do	Oct. 7, 1884
320,017	Thomson, E. and Rice, E. W.	Cut-outs, mechanical	June 16, 1885
317,888	Thornberry, H. S.	Anti-induction devices	May 12, 1885
320,414	Thornberry, H. S.	do	June 16, 1885
321,323	Thornberry, H. S.	Telephones, electric	June 30, 1885
309,897	Thurston, E. H.	Medical and surgical, electrodes	Dec. 30, 1884
321,062	Tideman, S.	Clocks	June 30, 1885
301,645	Tilden, J. A.	Telegraphy, fire	July 8, 1884
312,231	Timby, T. R.	Exploding	Feb. 10, 1885
304,376	Tirrell, J. P.	Cut-outs, electro-magnetic	Sept. 2, 1884
313,784	Tirrell, J. P.	Indicators	Mar. 10, 1885
316,201	Tisdale, C. D.	Railway-signals	Apr. 21, 1885
320,019	Titus, E. C.	Telephones, systems	June 16, 1885
315,355	Torrey, A. and Casey, D. J.	Recorders	Apr. 7, 1885
304,583	Toulmin, M.	Railway-signals	Sept. 2, 1884
308,533	Toulmin, M.	do	Nov. 25, 1884
310,748	Townsend, E. C.	Conductors, underground	Jan. 13, 1885
310,750	Townsend, L.	Telephones, systems	Jan. 13, 1885
310,749	Townsend, L. and Moore, R. W.	Annunciators	Jan. 13, 1885
308,110	Tregurtha, J. and Loring, C. T.	Telephones, systems	Nov. 18, 1884
318,932	Trippe, S. L.	Separators	May 26, 1885
309,809	Trippen, G. and F., jr.	Clocks	Dec. 23, 1884
319,353	Trott, S. E.	Lights, incandescent	June 2, 1885
308,534	Trouvé, G.	Motors	Nov. 25, 1884
317,892	Troy, D. S.	Applications, tools and machines	May 12, 1885
317,893	Troy, D. S.	do	May 12, 1885
308,293	Tnbbs, A. W.	Thermostats	Nov. 18, 1884
302,215	Tucker, C. A.	Valve-controllers	July 15, 1884
308,582	Tucker, I. F.	Telephones, mechanical	Nov. 25, 1884
304,473	Turner, T. G.	Lights, arc	Sept. 2, 1884
306,037	Turner, T. G.	Conductors, underground	Sept. 30, 1884
318,057	Tyler, G. R.	Telephones, details	May 19, 1885
315,679	Upton, F. R.	Lightning-rods	Apr. 14, 1885
308,712	Vail, J. H.	Lights, incandescent	Dec. 2, 1884
308,713	Vail, J. H.	Lights, systems and appliances	Dec. 2, 1884
306,296	Vail, T. N.	Telephones, systems	Oct. 7, 1884
305,984	Vance, S. B. H.	Lights, systems and appliances	Sept. 30, 1884
306,557	Vance, S. B. H.	do	Oct. 14, 1884
306,558	Vance, S. B. H.	do	Oct. 14, 1884
302,061	Van Choate, S. F.	Lights, arc	July 15, 1884
302,062	Van Choate, S. F.	Magneto-electric	July 15, 1884
309,012	Van Choate, S. F.	Lights, arc	Dec. 9, 1884
319,041	Van Choate, S. F.	Conductors	June 2, 1885
304,377	Vau Depoele, C. J.	Lights, arc	Sept. 2, 1884
304,378	Vau Depoele, C. J.	Magneto-electric	Sept. 2, 1884
307,884	Vau Depoele, C. J.	Motors	Nov. 11, 1884
317,249	Vau Depoele, C. J.	do	May 5, 1885
320,515	Vau Depoele, C. J.	do	June 23, 1885
302,175	Vander Weyde, P. H.	Telegraphy, circuits and systems	July 15, 1884
302,176	Vander Weyde, P. H.	Telegraphy, dynamo	July 15, 1884
306,977	Vander Weyde, P. H.	Telegraphy, circuits and systems	Oct. 21, 1884
304,475	Van Hoevenbergh, H.	Telegraphy, printing	Sept. 2, 1884
306,297	Van Hoevenbergh, H.	do	Oct. 7, 1884
308,019	Van Hoevenbergh, H.	Conductors, anti-inductive	Nov. 11, 1884
308,020	Van Hoevenbergh, H.	do	Nov. 11, 1884
309,751	Van Hoevenbergh, H.	Telegraphy, quadruplex	Dec. 23, 1884
313,786	Van Hoevenbergh, H.	Telegraphy, printing	Mar. 10, 1885
313,787	Van Hoevenbergh, H.	Telegraphy, quadruplex	Mar. 10, 1885
316,676	Van Hoevenbergh, H.	Telegraphy, printing	Apr. 28, 1885
316,677	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,678	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,679	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,680	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,681	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,682	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,683	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,684	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,685	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,686	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,687	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,688	Van Hoevenbergh, H.	do	Apr. 28, 1885
316,689	Van Hoevenbergh, H.	do	Apr. 28, 1885

No.	NAME.	CLASS.	DATE.
316,690	Van Hoevenbergh, H	Telegraphy, printing	Apr. 28, 1885
316,691	Van Hoevenbergh, H	do	Apr. 28, 1885
316,692	Van Hoevenbergh, H	do	Apr. 28, 1885
316,693	Van Hoevenbergh, H	Telegraphy, automatic	Apr. 28, 1885
316,694	Van Hoevenbergh, H	Telegraphy, printing	Apr. 28, 1885
316,695	Van Hoevenbergh, H	do	Apr. 28, 1885
316,696	Van Hoevenbergh, H	do	Apr. 28, 1885
316,697	Van Hoevenbergh, H	do	Apr. 28, 1885
316,698	Van Hoevenbergh, H	do	Apr. 28, 1885
316,855	Van Hoevenbergh, H	do	Apr. 28, 1885
310,099	Van Ness, J. H. and Bland, M. A	Dental instruments	Dec. 30, 1884
306,665	Van Rysselberghe, F	Telephones, systems	Oct. 14, 1884
320,987	Van Rysselberghe, F	Telegraphy, circuits and systems	June 30, 1885
321,404	Van Rysselberghe, F	do	June 30, 1885
304,051	Vansize, W. B.	Telegraphy, printing	Aug. 26, 1884
304,052	Vansize, W. B. and Buckingham, C. L	do	Aug. 26, 1884
313,841	Vansize, W. B. and Lockwood, T. D	Telephones, systems	Mar. 10, 1885
314,277	Vaughn, W. W. and Eldridge, E. D	Heaters	Mar. 24, 1885
315,862	Voelker, W. L	Telephones, electric	Apr. 14, 1885
305,359	Vogel, W	Railway-signals	Sept. 16, 1884
309,585	Vogel, W	Applications, tools and machines	Dec. 23, 1884
303,959	Von Dolcke, L	Medical and surgical, baths	Aug. 19, 1884
305,552	Waite, H. E	Telephones, systems	Sept. 23, 1884
310,751	Waite, H. E	Telephones, magnetic	Jan. 13, 1885
312,409	Waite, H. E	Telephones, electric	Feb. 17, 1885
312,410	Waite, H. E	Telephones, systems	Feb. 17, 1885
316,206	Waite, H. E	Telephones, magnetic	Apr. 21, 1885
318,058	Waite, H. E	do	May 19, 1885
319,042	Waite, H. E	Telephones, electric	June 2, 1885
319,043	Waite, H. E	Telephones, systems	June 2, 1885
302,364	Waite, H. E. and Bartlett, S. H	do	July 22, 1884
306,789	Waite, H. E. and Bartlett, S. H	do	Oct. 21, 1884
313,788	Waite, H. E. and Bartlett, S. H	Bells	Mar. 10, 1885
313,789	Waite, H. E. and Bartlett, S. H	do	Mar. 10, 1885
316,204	Waite, H. E. and Bartlett, S. H	Telephones, electric	Apr. 21, 1885
316,205	Waite, H. E. and Bartlett, S. H	Telephones, magnetic	Apr. 21, 1885
312,533	Wallace, T	Telephones, electric	Feb. 17, 1885
312,045	Wallace, W. and Wood, T. J	Conductors	Feb. 10, 1885
316,700	Walter, W	Conductors, underground	Apr. 28, 1885
311,546	Ward, B. B	Lights, arc	Feb. 3, 1885
309,114	Warner, C. D	Meters	Dec. 9, 1884
313,901	Washburn, C. H	Steering and propulsion	Mar. 17, 1885
304,382	Waterhouse, A. G	Magneto-electric	Sept. 2, 1884
304,383	Waterhouse, A. G	do	Sept. 2, 1884
304,384	Waterhouse, A. G	do	Sept. 2, 1884
318,671	Waterhouse, A. G	do	May 26, 1885
311,547	Waterhouse, F. G	do	Feb. 3, 1885
313,561	Waterhouse, F. G	Regulators	Mar. 10, 1885
314,760	Waters, W. T	Railway-signals	Mar. 31, 1885
314,761	Waters, W. T	do	Mar. 31, 1885
314,762	Waters, W. T	do	Mar. 31, 1885
314,763	Waters, W. T	do	Mar. 31, 1885
316,316	Watt, A	Motors	Apr. 21, 1885
316,317	Watt, A	do	Apr. 21, 1885
310,345	Watt, H. C	Conductors	Jan. 6, 1885
308,220	Weaver, A. S	do	Nov. 18, 1884
309,267	Weaver, A. S	do	Dec. 16, 1884
317,252	Weaver, E. F	Telephones, systems	May 5, 1885
320,025	Weis, J	Locomotion	June 16, 1885
309,269	Weisgerber, W. F	Clocks	Dec. 16, 1884
314,634	Weisgerber, W. F	do	Mar. 31, 1885
319,534	Weisgerber, W. F	do	June 9, 1885
307,323	Weiss, C. W	Friction-generators	Nov. 11, 1884
310,002	Weiss, C. W	Igniting devices	Dec. 30, 1884
314,088	Weiss, C. W	Friction-generators	Mar. 17, 1885
321,069	Weiss, C. W	Recorders	June 30, 1885
313,791	Westbrook, C	Telegraphy, automatic	Mar. 10, 1885
313,792	Westbrook, C	do	Mar. 10, 1885
302,968	Weston, E	Cut-outs, thermal	Aug. 5, 1884
304,880	Weston, E	Lights, incandescent	Sept. 9, 1884
304,881	Weston, E	Meters	Sept. 9, 1884
304,882	Weston, E	Lights, systems and appliances	Sept. 9, 1884
304,883	Weston, E	do	Sept. 9, 1884
304,884	Weston, E	do	Sept. 9, 1884
306,980	Weston, E	Lights, incandescent	Oct. 21, 1884
310,004	Weston, E	Batteries, galvanic	Dec. 30, 1884
310,761	Weston, E	Lights, incandescent	Jan. 13, 1885

No.	NAME.	CLASS.	DATE.
310,762	Weston, E	Magneto-electric	Jan. 13, 1885
310,763	Weston, E	Regulators	Jan. 13, 1885
311,398	Weston, E	Lights, systems and appliances	Jan. 27, 1885
316,088	Weston, E	Lights, incandescent	Apr. 21, 1885
316,089	Weston, E	Regulators	Apr. 21, 1885
316,090	Weston, E	Transmission of power	Apr. 21, 1885
316,091	Weston, E	Motors	Apr. 21, 1885
316,092	Weston, E	do	Apr. 21, 1885
316,093	Weston, E	do	Apr. 21, 1885
316,094	Weston, E	Lights, incandescent	Apr. 21, 1885
316,095	Weston, E	Lights, systems and appliances	Apr. 21, 1885
316,096	Weston, E	do	Apr. 21, 1885
316,097	Weston, E	Telephones, switches	Apr. 21, 1885
316,707	Weston, E	Lights, systems and appliances	Apr. 28, 1885
316,708	Weston, E	do	Apr. 28, 1885
316,709	Weston, E	do	Apr. 28, 1885
320,026	Weston, E	Lights, incandescent	June 16, 1885
320,027	Weston, E	do	June 16, 1885
320,028	Weston, E	Lights, systems and appliances	June 16, 1885
320,029	Weston, E	Lights, incandescent	June 16, 1885
320,030	Weston, E	do	June 16, 1885
312,939	Wheeler, S. S.	Applications, general	Feb. 24, 1885
320,105	White, L. S.	Igniting devices	June 16, 1885
320,106	White, L. S.	do	June 16, 1885
320,606	White, L. S.	do	June 23, 1885
301,192	White, N. S.	Lights, incandescent	July 1, 1884
314,208	White, N. S.	do	Mar. 17, 1885
309,425	Wickersham, C. H.	Alarms	Dec. 16, 1884
308,120	Wilder, E. R. and Clark, J. P.	Thermostats	Nov. 18, 1884
301,417	Wilkinson, A.	Conductors	July 1, 1884
301,547	Williams, B.	Conductors, underground	July 8, 1884
309,907	Williams, B.	do	Dec. 30, 1884
307,888	Williams, C. W., Barnum, G. S. and Ives, E. B.	Railway-signals	Nov. 11, 1884
309,274	Williams, C. W., Barnum, G. S. and Ives, E. B.	do	Dec. 16, 1884
313,462	Williams, C. W., Ives, E. B. and Barnum, G. S.	Telegraphy, railway-car	Mar. 3, 1885
311,933	Williams, G. R.	Thermostats	Feb. 10, 1885
305,726	Williams, H. N.	Igniting devices	Sept. 23, 1884
311,278	Williams, W.	Applications, general	Jan. 27, 1885
317,908	Williamson, C.	Lightning-rods	May 12, 1885
319,536	Williamson, J. J.	Conductors	June 9, 1885
308,225	Willson, R. W.	Clocks	Nov. 18, 1884
306,669	Wilson, C. H.	Telephones, systems	Oct. 14, 1884
310,106	Wilson, J. C.	Telegraphy, fire	Dec. 30, 1884
313,147	Wilson, J. C.	do	Mar. 3, 1885
320,032	Wilson, J. C.	Transmitters	June 16, 1885
305,259	Wilson, M. H.	Telegraphy, automatic	Sept. 16, 1884
320,200	Winans, W.	Lights, systems and appliances	June 16, 1885
310,970	Winchester, E. S.	Applications, tools and machines	Jan. 20, 1885
319,770	Winkel, C.	Telegraphy, printing	June 9, 1885
302,616	Winton, H. D.	Applications, general	July 29, 1884
311,050	Winton, H. D.	Railway-signals	Jan. 20, 1885
315,586	Winton, H. D.	Connectors	Apr. 14, 1885
317,910	Winton, H. D.	Railway-signals	May 12, 1885
317,911	Winton, H. D.	do	May 12, 1885
307,696	Wirsching, A. and E.	Telegraphy, printing	Nov. 4, 1884
306,452	Withers, J. E. and Delvin, G. H.	Car-brakes	Oct. 14, 1884
317,912	Wood, F. B.	Telegraphy, fire	May 12, 1885
321,073	Wood, F. B.	Transmitters	June 30, 1885
302,460	Wood, J. J.	Magneto-electric	July 22, 1884
303,245	Wood, J. J.	Lights, are	Aug. 5, 1884
308,817	Woods, G. T.	Telephones, electric	Dec. 2, 1884
315,368	Woods, G. T.	do	Apr. 7, 1885
310,630	Woolley, L. G.	Lights, are	Jan. 13, 1885
313,039	Woolley, L. G.	do	Feb. 24, 1885
318,589	Woolley, L. G.	Motors	May 26, 1885
319,539	Woolley, L. G.	Lights, are	June 9, 1885
319,540	Woolley, L. G.	Magneto-electric	June 9, 1885
306,201	Worthington, C. C.	Telegraphy, fire	Oct. 7, 1884
306,202	Worthington, C. C.	do	Oct. 7, 1884
303,961	Wright, A.	Conduetors	Aug. 19, 1884
313,640	Wright, C. D. and Fisher, C. A.	Cut-outs, electro-magnetic	Mar. 10, 1885
316,428	Wright, E. H.	Igniting devices	Apr. 21, 1885
316,429	Wright, E. H.	do	Apr. 21, 1885
311,218	Wright, J. E. and Longstreet, J. H.	Telegraphy, printing	Jan. 27, 1885
317,479	Wright, W. H.	Insulators	May 5, 1885
311,630	Young, A. M.	Batteries, galvanic	Feb. 3, 1885
311,706	Young, F. H. and Davis, F. I.	Railway-signals	Feb. 3, 1885

No.	NAME.	CLASS.	DATE.
301,655	Young, J -----	Connectors -----	July 8, 1884
313,040	Young, J -----	Telegraphy, fire -----	Feb. 24, 1885
320,739	Yunck, J. A. and Stuert, J -----	Lights, incandescent -----	June 23, 1885
313,150	Zalinski, E. L -----	Exploding -----	Mar. 3, 1885
306,796	Zobel, J -----	Batteries, galvanic -----	Oct. 21, 1884

REISSUES.

10,507	Barker, R. -----	Separators, reissue of 273,011 -----	Aug. 12, 1884
10,544	Brush, C. F. -----	Lights, arc, reissue of 196,425 -----	Dec. 23, 1884
10,525	Graydon, J. W. -----	Exploding, reissue of 270,950 -----	Sept. 23, 1884
10,526	Graydon, J. W. -----	Exploding, reissue of 270,950 -----	Sept. 23, 1884
10,527	Graydon, J. W. -----	Exploding, reissue of 270,950 -----	Sept. 23, 1884
10,508	Hamlin, E. B. -----	Telephones, systems, reissue of 279,747 -----	Aug. 12, 1884
10,533	Hazzer, E. W. -----	Bells, reissue of 300,253 -----	Oct. 21, 1884
10,498	Oliver, H. W., jr -----	Applications, tools and machines, reissue of 299,572.	July 15, 1884
10,563	Patterson, W. R. -----	Conductors, reissue of 306,513 -----	Feb. 24, 1885
10,542	Pope, F. L. and Edison, T. A. -----	Telegraphy, printing, reissue of reissue 7,621	Dec. 9, 1884
10,585	Wheeler, S. S. -----	Applications, general, reissue of 273,208 -----	Apr. 21, 1885

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301,655	Young, J -----	Connectors -----	July 8, 1884
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306,796	Zobel, J -----	Batteries, galvanic -----	Oct. 21, 1884

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10,498	Oliver, H. W., jr -----	Applications, tools and machines, reissue of 299,572 -----	July 15, 1884
10,563	Patterson, W. R. -----	Conductors, reissue of 306,513 -----	Feb. 24, 1885
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